



**SecurOS™ 11.4**  
**ISS Integrated Device Pack 6.15**  
**Supported Hardware List**

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## Content

### IP- cameras and encoders

[ONVIF \\*](#)  
[Arecont Vision](#)  
[Avigilon](#)  
[AXIS](#)  
[Bolide](#)  
[Bosch](#)  
[Cisco](#)  
[Dahua](#)  
[Evidence](#)  
[FLIR System](#)  
[Hanwha](#)  
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[Hikvision](#)  
[Huawei](#)  
[IDIS](#)  
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[Mobotix](#)  
[OnCam](#)  
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### Joysticks and control boards

[AXIS](#)  
[Bosch](#)  
[CH Products](#)  
[Hanwha](#)  
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[Panasonic](#)  
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### Network speakers

[AXIS](#)  
[2N](#)

### IP-I/O devices

[AXIS](#)  
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### Access Control, Fire and Intrusion Systems

[AMAG](#)  
[AXIS](#)  
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[Kantech](#)  
[Lenel](#)  
[Nedap](#)  
[Next Level](#)  
[RBH-Access](#)  
[S2 Security](#)  
[Software House](#)  
[Vault](#)

\* ONVIF is a standard protocol for security device integration that is supported by SecurOS. The supported list of vendors is not limited to those listed above, but also covers all Onvif integrations listed on the Onvif website. You can access the Onvif list via the link on the Onvif page of this document. The camera list above represents vendors supported by the vendor native API, via Onvif only, or both.

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ONVIF Conformant Cameras

**Live Video**

- Decoding: H.265, H.264, MPEG4 and MJPEG codecs
- Streaming: RTP/RTSP, RTP/UDP Unicast and Multicast, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP

**Live Video**

**Live Video SecurOS feature**

- Multistreaming up to 3 streams
- Network latency compensation
- Video On Demand (VoD) mode
- Dewarping for fisheye cameras

**Camera side storage**

- Decoding: H.265 and H.264 codecs

**Edge Storage**

**Archive Video SecurOS features**

- EdgeStorage Sync
- EdgeStorage Gate

**Live Audio**

- Audio ways: Microphone
- Decoding: G.711 and AAC codecs
- Streaming: RTP/RTSP/TCP, RTP/UDP Unicast and Multicast, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP

**Live Audio**

**Camera Controls**

- Continuous Pan, Tilt and Zoom move, Zoom by selected area, Center by click
- Presets (Add/Update/Remove, Home preset)
- Tours by presets
- Relays (outputs)

**PTZ Control**

**PTZ Control SecurOS features**

- Tours by key points based on absolute coordinates
- Illumination controls
- Wiper and Washer controls

**Image Controls**

- Manual and Auto Focus
- Manual and Auto Iris
- Exposure, Gain, Brightness, Color saturation, Sharpness and Contrast
- IR filter, White balance, Backlight compensation and WDR mode

**Image Adjust**

**Metadata Receiving**

- Sensor Event (inputs)
- Direct Event Streaming from built-in Analytics

**Metadata Receiving**

**Network environment**

- Multicast/Unicast streaming
- Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

**Network Environment**

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- Features listed above are those supported by SecurOS™ through the ONVIF protocol. For specific features supported by a particular camera please refer to the camera manufacturer's documentation. ISS recommends to do testing of particular models before using these models in a commercial system.

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

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Product Line	Model	Status
ArecontVision ConteralP Bullet Series	AV02CLB-100	supported by specification
ArecontVision ConteralP Bullet Series	AV05CLB-100	supported by specification
ArecontVision ConteralP Bullet EX Series	AV5426PM	supported by specification
ArecontVision ConteralP Fisheye Series	AV12CPD-236	supported by specification
ArecontVision ConteralP Indoor Dome Series	AV02CID-100	supported by specification
ArecontVision ConteralP Indoor Dome Series	AV05CID-100	supported by specification
ArecontVision ConteralP Micro Bullet Series	AV02CMB-100	supported by specification
ArecontVision ConteralP Micro Bullet Series	AV05CMB-100	supported by specification
ArecontVision ConteralP MicroDome Duo LX Series	AV10856DN	supported by specification
ArecontVision ConteralP MicroDome Duo LX Series	AV16856DN	supported by specification
ArecontVision ConteralP MicroDome Duo LX Series	AV4856DN	supported by specification
ArecontVision ConteralP MicroDome LX Series	AV2756DN	supported by specification
ArecontVision ConteralP MicroDome LX Series	AV5756DN	supported by specification
ArecontVision ConteralP Omni LX Series	AV20476DN	supported by specification
ArecontVision ConteralP Omni LX Series	AV8476DN	supported by specification
ArecontVision ConteralP Omni LX RS Series	AV20476RS	supported by specification
ArecontVision ConteralP Omni LX RS Series	AV8476RS	supported by specification
ArecontVision ConteralP Outdoor Dome Series	AV02CLD-100	supported by specification
ArecontVision ConteralP Outdoor Dome Series	AV05CLD-100	supported by specification
ArecontVision ConteralP Outdoor Dome EX Series	AV5456PM	supported by specification
ArecontVision ConteralP Panoramic Series	AV08CPD-118	supported by specification
ArecontVision ConteralP Panoramic Series	AV20CPD-118	supported by specification
ArecontVision MegaBall G2 Series Series	AV1245	supported by specification
ArecontVision MegaBall G2 Series Series	AV2245	supported by specification
ArecontVision MegaBall G2 Series Series	AV2246	supported by specification
ArecontVision MegaBall G2 Series Series	AV3245	supported by specification
ArecontVision MegaBall G2 Series Series	AV3246	supported by specification
ArecontVision MegaBall G2 Series Series	AV5245	supported by specification
ArecontVision MegaDome 4K Series Series	AV08ZMD-400	supported by specification
ArecontVision MegaDome G3 RS Series	AV2355RS	supported by specification
ArecontVision MegaDome G3 RS Series	AV2356RS	supported by specification
ArecontVision MegaDome G3 RS Series	AV3355RS	supported by specification
ArecontVision MegaDome G3 RS Series	AV3356RS	supported by specification
ArecontVision MegaDome G3 RS Series	AV5355RS	supported by specification
ArecontVision MegaDome G3 Series	AV10355PM	supported by specification
ArecontVision MegaDome G3 Series	AV1355PM	supported by specification
ArecontVision MegaDome G3 Series	AV2355PM	supported by specification
ArecontVision MegaDome G3 Series	AV2356PM	supported by specification
ArecontVision MegaDome G3 Series	AV3355PM	supported by specification
ArecontVision MegaDome G3 Series	AV3356PM	supported by specification

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Product Line	Model	Status
ArecontVision MegaDome G3 Series	AV5355PM	supported by specification
ArecontVision MegaDome UltraHD Series	AV12ZMD-401	supported by specification
ArecontVision MegaVideo 4K Series	AV08ZMV-300	supported by specification
ArecontVision MegaVideo Compact Series	AV10215DN	supported by specification
ArecontVision MegaVideo Compact Series	AV3236DN	supported by specification
ArecontVision MegaVideo G5 Series	AV10215PM	supported by specification
ArecontVision MegaVideo G5 Series	AV1215PM	supported by specification
ArecontVision MegaVideo G5 Series	AV2215DN	supported by specification
ArecontVision MegaVideo G5 Series	AV2215PM	supported by specification
ArecontVision MegaVideo G5 Series	AV2216DN	supported by specification
ArecontVision MegaVideo G5 Series	AV2216PM	supported by specification
ArecontVision MegaVideo G5 Series	AV3215DN	supported by specification
ArecontVision MegaVideo G5 Series	AV3215PM	supported by specification
ArecontVision MegaVideo G5 Series	AV3216DN	supported by specification
ArecontVision MegaVideo G5 Series	AV3216PM	supported by specification
ArecontVision MegaVideo G5 Series	AV5215DN	supported by specification
ArecontVision MegaVideo G5 Series	AV5215PM	supported by specification
ArecontVision MegaVideo UltraHD Series	AV12ZMV-301	supported by specification
ArecontVision MegaView 2 Series	AV10225PM	supported by specification
ArecontVision MegaView 2 Series	AV1225PM	supported by specification
ArecontVision MegaView 2 Series	AV2225PM	supported by specification
ArecontVision MegaView 2 Series	AV2226PM	supported by specification
ArecontVision MegaView 2 Series	AV3225PM	supported by specification
ArecontVision MegaView 2 Series	AV3226PM	supported by specification
ArecontVision MegaView 2 Series	AV5225PM	supported by specification
ArecontVision MicroDome Duo Series	AV10655DN	supported by specification
ArecontVision MicroDome Duo Series	AV4655DN	supported by specification
ArecontVision MicroDome Duo Series	AV4656DN	supported by specification
ArecontVision MicroDome Duo Series	AV6655DN	supported by specification
ArecontVision MicroDome Duo Series	AV6656DN	supported by specification
ArecontVision MicroDome G2 Series	AV1555DN	supported by specification
ArecontVision MicroDome G2 Series	AV2555DN	supported by specification
ArecontVision MicroDome G2 Series	AV2556DN	supported by specification
ArecontVision MicroDome G2 Series	AV3555DN	supported by specification
ArecontVision MicroDome G2 Series	AV3556DN	supported by specification
ArecontVision MicroDome G2 Series	AV5555DN	supported by specification
ArecontVision SurroundVideo G5 Series	AV12585PM	supported by specification
ArecontVision SurroundVideo G5 Series	AV12586PM	supported by specification
ArecontVision SurroundVideo G5 Series	AV20585PM	supported by specification
ArecontVision SurroundVideo G5 Mini Series	AV12565DN	supported by specification
ArecontVision SurroundVideo G5 Mini Series	AV12566DN	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Status
ArecontVision SurroundVideo G5 Mini Series	AV12585DN	supported by specification
ArecontVision SurroundVideo G5 Mini Series	AV12586DN	supported by specification
ArecontVision SurroundVideo G5 Mini Series	AV20565DN	supported by specification
ArecontVision SurroundVideo G5 Mini Series	AV20585DN	supported by specification
ArecontVision SurroundVideo Omni Series	AV12176DN	supported by specification
ArecontVision SurroundVideo Omni Series	AV20175DN	supported by specification
ArecontVision SurroundVideo Omni G3 Series	AV12375RS	supported by specification
ArecontVision SurroundVideo Omni G3 Series	AV12376RS	supported by specification
ArecontVision SurroundVideo Omni G3 Series	AV20375RS	supported by specification
ArecontVision SurroundVideo Omni SX Series	AV12975DN	supported by specification
ArecontVision SurroundVideo Omni SX Series	AV12976DN	supported by specification
ArecontVision SurroundVideo Omni SX Series	AV20975DN	supported by specification

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Product Line	Model	Status
Avigilon 1 MP H.264 HD Camera Series	1.0MP-HD-H264-xxx	ver.2.2.0.34
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-B1	supported by specification
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-B2	supported by specification
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-D1	supported by specification
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-DC1	supported by specification
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-DO1	supported by specification
Avigilon 2 MP H.264 HD Camera	2.0MP-HD-H264-DP1	supported by specification
Avigilon 2 MP H.264 HD Dome Camera	2.0-H3-D1	tested by partner
Avigilon 2 MP HD Bullet Camera	2.0W-H3-BO2-IR	ver.2.6.0.140
Avigilon H.264 Analog Video Encoder	ENC-4P-H264	ver.2.2.0.48
Avigilon H3 Series	1.0C-H3A-xxx-xx	ver.3.4.0.20
Avigilon H3 Series	1.0-H3-xxx-xx	ver.2.6.0.42
Avigilon H3 HD Micro Dome Camera	1.0-H3M-DC1	supported by specification
Avigilon H3 HD Micro Dome Camera	1.0-H3M-DC1-BL	supported by specification
Avigilon H3 HD Micro Dome Camera	1.0-H3M-DO1	supported by specification
Avigilon H3 HD Micro Dome Camera	1.0-H3M-DP1	supported by specification
Avigilon H3 HD Micro Dome Camera	1.0-H3M-DP1-BL	supported by specification
Avigilon H3 HD Micro Dome Camera	2.0-H3M-DC1	supported by specification
Avigilon H3 HD Micro Dome Camera	2.0-H3M-DC1-BL	supported by specification
Avigilon H3 HD Micro Dome Camera	2.0-H3M-DO1	supported by specification
Avigilon H3 HD Micro Dome Camera	2.0-H3M-DP1	supported by specification
Avigilon H3 HD Micro Dome Camera	2.0-H3M-DP1-BL	supported by specification
Avigilon H3 Multisensor Series	xxW-H3-xMH-xxx-x	supported by specification
Avigilon H3 HD PTZ Dome Camera	1.0W-H3PTZ-DC20	ver.2.6.0.92
Avigilon H3 HD PTZ Dome Camera	1.0W-H3PTZ-DP20	supported by specification
Avigilon H3 HD PTZ Dome Camera	2.0W-H3PTZ-DC20	supported by specification
Avigilon H3 HD PTZ Dome Camera	2.0W-H3PTZ-DP20	tested by partner
Avigilon H4ES Series	xxC-H4A-xxG-xxx-xx	supported by specification
Avigilon H4 Fisheye Camera	12.0-H4F-DO1-IR	supported by specification
Avigilon H4 Fisheye Camera	6.0L-H4F-DO1-IR	supported by specification
Avigilon H4 HD PTZ Dome Camera	1.0C-H4PTZ-DC45	supported by specification
Avigilon H4 HD PTZ Dome Camera	1.0C-H4PTZ-DP45	supported by specification
Avigilon H4 HD PTZ Dome Camera	2.0C-H4PTZ-DC30	supported by specification
Avigilon H4 HD PTZ Dome Camera	2.0C-H4PTZ-DP30	supported by specification
Avigilon H4 IR PTZ Series	xxC-H4IRPTZ-DPxx-xx	ver.3.30.0.58(30041)
Avigilon H4 LPC Camera	H4 LPC	supported by specification
Avigilon H4 Multisensor Series	xxC-H4A-xMH-xxx	ver.4.22.0.10(852c10c1)
Avigilon H4 Series	xx-H4A-xxx-xx	ver. 4.4.0.28(31175)
Avigilon H4 Series	xx-H4M-xx-xx	ver.3.28.0.66(27511)

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Product Line	Model	Status
Avigilon H4SL Series	xxC-H4SL-xxx-xx	ver.3.28.0.66(27511)
Avigilon H4 Thermal Detection Camera	H4A-ETD-KIT	supported by specification
Avigilon H4 Thermal Series	xxxS-H4A-THC-xxxx	ver.3.28.0.128(28788)
Avigilon H4 Video Intercom	xxC-H4VI-xxx-xx	ver.4.10.0.18(32307)
Avigilon H5 Professional Series	xxC-H5PRO-x	ver.4.18.0.82(35893)
Avigilon H5 Series	xxC-H5SL-xxx-xx	ver.3.30.0.26(28518)
Avigilon H5A Explosion-Protected PTZ Series	xxC-H5EXPTZ-xx-xxxx	supported by specification
Avigilon H5A Explosion-Protected Series	xxC-H5EX-xx-xxx	supported by specification
Avigilon H5A PTZ Series	xxC-H5A-PTZ-xxxx	supported by specification
Avigilon H5A Fisheye Series	xxW-H5A-FE-xxx	ver. 4.18.0.46(35745)
Avigilon H5A Fisheye Series	xxC-H5A-FE-xxx	ver. 4.18.0.46(35745)
Avigilon H5A Series	xxC-H5A-xxx-xx	supported by specification
Avigilon H5A Corner Series	xxC-H5A-CRx-xx-xx	ver.4.20.0.12(64c9bb58)
Avigilon H5A Dual Head Series	xxC-H5DH-xx-xx	supported by specification
Avigilon H5M Series	xxC-H5M-xxx-xx	ver.4.12.0.14(33379)
Avigilon HD Bullet Camera	1.0C-H4A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	1.0C-H4A-BO2-IR	supported by specification
Avigilon HD Bullet Camera	1.0W-H3-BO1-IR	supported by specification
Avigilon HD Bullet Camera	1.0W-H3-BO2-IR	supported by specification
Avigilon HD Bullet Camera	2.0C-H3A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	2.0C-H3A-BO2-IR	supported by specification
Avigilon HD Bullet Camera	2.0C-H4A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	2.0C-H4A-BO2-IR	supported by specification
Avigilon HD Bullet Camera	2.0W-H3-BO1-IR	supported by specification
Avigilon HD Bullet Camera	3.0C-H3A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	3.0C-H3A-BO2-IR	supported by specification
Avigilon HD Bullet Camera	3.0C-H4A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	3.0C-H4A-BO2-IR	supported by specification
Avigilon HD Bullet Camera	3.0W-H3-BO1-IR	supported by specification
Avigilon HD Bullet Camera	3.0W-H3-BO2-IR	supported by specification
Avigilon HD Bullet Camera	5.0-H3-BO1-IR	supported by specification
Avigilon HD Bullet Camera	5.0-H3-BO2-IR	supported by specification
Avigilon HD Bullet Camera	5.0L-H4A-BO1-IR	supported by specification
Avigilon HD Bullet Camera	5.0L-H4A-BO2-IR	supported by specification
Avigilon HD Camera	1.0C-H4A-B1	supported by specification
Avigilon HD Camera	1.0C-H4A-B2	supported by specification
Avigilon HD Camera	1.0C-H4A-B3	supported by specification
Avigilon HD Camera	1.3L-H3-B2	supported by specification
Avigilon HD Camera	1.3L-H3-B3	supported by specification
Avigilon HD Camera	2.0C-H4A-B1	supported by specification



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Avigilon HD Camera	2.0C-H4A-B2	supported by specification
Avigilon HD Camera	2.0C-H4A-B3	supported by specification
Avigilon HD Camera	2.0-H3-B1	supported by specification
Avigilon HD Camera	2.0-H3-B2	supported by specification
Avigilon HD Camera	2.0-H3-B3	supported by specification
Avigilon HD Camera	3.0C-H4A-B1	supported by specification
Avigilon HD Camera	3.0C-H4A-B2	supported by specification
Avigilon HD Camera	3.0C-H4A-B3	supported by specification
Avigilon HD Camera	3.0W-H3-B2	supported by specification
Avigilon HD Camera	3.0W-H3-B3	supported by specification
Avigilon HD Camera	5.0-H3-B2	supported by specification
Avigilon HD Camera	5.0-H3-B3	supported by specification
Avigilon HD Camera	5.0L-H4A-B2	supported by specification
Avigilon HD Camera	5.0L-H4A-B3	supported by specification
Avigilon HD In-Ceiling Dome Camera	2.0C-H3A-DC1	supported by specification
Avigilon HD In-Ceiling Dome Camera	2.0C-H3A-DC2	supported by specification
Avigilon HD In-Ceiling Dome Camera	3.0C-H3A-DC1	supported by specification
Avigilon HD In-Ceiling Dome Camera	3.0C-H3A-DC2	supported by specification
Avigilon HD Indoor Dome Camera	1.0C-H4A-D1	supported by specification
Avigilon HD Indoor Dome Camera	1.0C-H4A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	1.0C-H4A-D2	supported by specification
Avigilon HD Indoor Dome Camera	1.0C-H4A-DC1	supported by specification
Avigilon HD Indoor Dome Camera	1.0C-H4A-DC2	supported by specification
Avigilon HD Indoor Dome Camera	1.3L-H3-D1	supported by specification
Avigilon HD Indoor Dome Camera	1.3L-H3-D2	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H3A-D1	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H3A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H3A-D2	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H4A-D1	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H4A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H4A-D2	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H4A-DC1	supported by specification
Avigilon HD Indoor Dome Camera	2.0C-H4A-DC2	supported by specification
Avigilon HD Indoor Dome Camera	2.0-H3-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H3A-D1	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H3A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H3A-D2	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H4A-D1	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H4A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H4A-D2	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Avigilon HD Indoor Dome Camera	3.0C-H4A-DC1	supported by specification
Avigilon HD Indoor Dome Camera	3.0C-H4A-DC2	supported by specification
Avigilon HD Indoor Dome Camera	3.0W-H3-D1	supported by specification
Avigilon HD Indoor Dome Camera	3.0W-H3-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	3.0W-H3-D2	supported by specification
Avigilon HD Indoor Dome Camera	5.0-H3-D1	supported by specification
Avigilon HD Indoor Dome Camera	5.0-H3-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	5.0-H3-D2	supported by specification
Avigilon HD Indoor Dome Camera	5.0L-H4A-D1	supported by specification
Avigilon HD Indoor Dome Camera	5.0L-H4A-D1-IR	supported by specification
Avigilon HD Indoor Dome Camera	5.0L-H4A-D2	supported by specification
Avigilon HD Indoor Dome Camera	5.0L-H4A-DC1	supported by specification
Avigilon HD Indoor Dome Camera	5.0L-H4A-DC2	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DP1	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DP1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	1.0C-H4A-DP2	supported by specification
Avigilon HD Outdoor Dome Camera	1.3L-H3-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	1.3L-H3-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H3A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H3A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H3A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DP1	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DP1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	2.0C-H4A-DP2	supported by specification
Avigilon HD Outdoor Dome Camera	2.0-H3-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	2.0-H3-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	2.0-H3-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H3A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H3A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H3A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DP1	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DP1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	3.0C-H4A-DP2	supported by specification
Avigilon HD Outdoor Dome Camera	3.0W-H3-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	3.0W-H3-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	3.0W-H3-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	5.0-H3-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	5.0-H3-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	5.0-H3-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DO1	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DO1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DO2	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DP1	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DP1-IR	supported by specification
Avigilon HD Outdoor Dome Camera	5.0L-H4A-DP2	supported by specification
Avigilon HD Pendant Dome Camera	1.3L-H3-DP1	supported by specification
Avigilon HD Pendant Dome Camera	1.3L-H3-DP2	supported by specification
Avigilon HD Pendant Dome Camera	2.0C-H3A-DP1	supported by specification
Avigilon HD Pendant Dome Camera	2.0C-H3A-DP2	supported by specification
Avigilon HD Pendant Dome Camera	2.0-H3-DP1	supported by specification
Avigilon HD Pendant Dome Camera	2.0-H3-DP2	supported by specification
Avigilon HD Pendant Dome Camera	3.0C-H3A-DP1	supported by specification
Avigilon HD Pendant Dome Camera	3.0C-H3A-DP2	supported by specification
Avigilon HD Pendant Dome Camera	3.0W-H3-DP1	supported by specification
Avigilon HD Pendant Dome Camera	3.0W-H3-DP2	supported by specification
Avigilon HD Pendant Dome Camera	5.0-H3-DP1	supported by specification
Avigilon HD Pendant Dome Camera	5.0-H3-DP2	supported by specification
Avigilon HD Professional Series	xxL-H4PRO-x	ver. 4.4.0.28(31175)
Avigilon In-Ceiling Dome Camera	1.3L-H3-DC1	supported by specification
Avigilon In-Ceiling Dome Camera	1.3L-H3-DC2	supported by specification
Avigilon In-Ceiling Dome Camera	2.0-H3-DC1	supported by specification
Avigilon In-Ceiling Dome Camera	2.0-H3-DC2	supported by specification
Avigilon In-Ceiling Dome Camera	3.0W-H3-DC1	supported by specification
Avigilon In-Ceiling Dome Camera	3.0W-H3-DC2	supported by specification
Avigilon In-Ceiling Dome Camera	5.0-H3-DC1	supported by specification
Avigilon In-Ceiling Dome Camera	5.0-H3-DC2	supported by specification
Avigilon PTZ In-Ceiling Dome Camera	H3PTZ-DC-CLEAR-B	supported by specification
Avigilon PTZ In-Ceiling Dome Camera	H3PTZ-DC-SMOKE-B	supported by specification

## Content

### Integration protocol: VAPIX3 (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs; dewarping

**Audio:** Microphone (audio-in), Speaker (audio-out); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom/Zoom in on the selected area; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Recorded Tours (Call only); External Wiper and Washer by relays; Sensors (inputs); Relays (outputs)

**Network:** Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative supported protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
AXIS A80 Series Network Video Door Stations	AXIS A80xx-xx	v.5.65.1.1 and higher
AXIS A81 Series Network Video Door Stations	AXIS A81xx-xx	v.5.65.1.1 and higher
AXIS A82 Series Network Video Door Stations	AXIS A82xx-xx	v.5.65.1.1 and higher
AXIS FA Series Network Modular Cameras	AXIS FAxx	v.6.50.5.8 and higher
AXIS F Series Network Modular Cameras	AXIS Fxx	v.6.50.5.8 and higher
AXIS M10 Series Network Cameras	AXIS M10xx-xx	v.5.50.5.1 and higher
AXIS M11 Series Network Cameras	AXIS M11xx-xx	v.5.50.3.0 and higher
AXIS M20 Series Network Cameras	AXIS M20xx-xx	v.5.40.12.3 and higher
AXIS M30 Series Network Cameras	AXIS M30xx-xxx	v.5.40.5.2 and higher
AXIS M31 Series Network Cameras	AXIS M31xx-xxx	v.5.40.9.4 and higher
AXIS M32 Series Network Cameras	AXIS M32xx-xxx	v.5.50.3 and higher
AXIS M42 Series Network Cameras	AXIS M42xx-xxx	v.9.80.10 and higher
AXIS M43 Series Network Cameras	AXIS M43xx-xxx	v.11.2.53 and higher
AXIS M50 Series Network Cameras	AXIS M50xx-xxx	v.5.50.3 and higher
AXIS M70 Series Network Video Encoders	AXIS M70xx	v.5.20.5 and higher
AXIS M71 Series Network Video Encoders	AXIS M71xx	v.11.2.68 and higher
AXIS P12 Series Network Cameras	AXIS P12xx-xx	v.5.40.12.3 and higher
AXIS P13 Series Network Cameras	AXIS P13xx-xx	v.5.40.9.3 and higher
AXIS P14 Series Network Cameras	AXIS P14xx-xx	v.5.55.3.3 and higher
AXIS P32 Series Network Cameras	AXIS P32xx-xxx	v.5.55.3.2 and higher
AXIS P33 Series Network Cameras	AXIS P33xx-xxx	v.5.40.9.3 and higher
AXIS P37 Series Network Cameras	AXIS P37xx-xxx	v.11.2.68 and higher
AXIS P38 Series Network Cameras	AXIS P38xx-xxx	v.11.1.72 and higher
AXIS P39 Series Network Cameras	AXIS P39xx-xxx	v.5.55.3 and higher
AXIS P54 Series Network Cameras	AXIS P54xx-x	v.5.55.1.3 and higher
AXIS P55 Series Network Cameras	AXIS P55xx-x	v.5.50.4 and higher
AXIS P56 Series Network Cameras	AXIS P56xx-x	v.5.75.1 and higher
AXIS P72 Series Network Video Encoders	AXIS P72xx	v.5.50.4.1 and higher
AXIS P73 Series Network Video Encoders	AXIS P73xx	v.11.2.53 and higher
AXIS P85 Series Network Cameras	AXIS P85xx	v.5.40.9.4 and higher
AXIS P91 Series Network Cameras	AXIS P91xx-xxx	v.9.80.12 and higher
AXIS Q16 Series Network Thermal Cameras	AXIS Q16xx-xx	v.5.55.3.5 and higher
AXIS Q17 Series Network Thermal Cameras	AXIS Q17xx-xx	v.5.50.4 and higher
AXIS Q19 Series Network Thermal Cameras	AXIS Q19xx-x	v.5.50.4 and higher
AXIS Q29 Series Network Thermal Cameras	AXIS Q29xx-x	v.5.55.4.1 and higher
AXIS Q35 Series Network Cameras	AXIS Q35xx-xxx	v.11.2.71 and higher

**Integration protocol: VAPIX3** (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs; dewarping

**Audio:** Microphone (audio-in), Speaker (audio-out); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom/Zoom in on the selected area; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Recorded Tours (Call only); External Wiper and Washer by relays; Sensors (inputs); Relays (outputs)

**Network:** Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative supported protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
AXIS Q35 Series Network Cameras	AXIS Q35xx-xxx	v.5.55.3.6 and higher
AXIS Q36 Series Network Cameras	AXIS Q36xx-xxx	v.9.80.10 and higher
AXIS Q37 Series Network Cameras	AXIS Q37xx-xxx	v.6.55.6 and higher
AXIS Q60 Series Network Cameras	AXIS Q60xx-xx	v.5.41.1.2 and higher
AXIS Q61 Series Network Cameras	AXIS Q61xx-xx	v.10.12.130 and higher
AXIS Q62 Series Network Cameras	AXIS Q62xx-xx	v.11.2.53 and higher
AXIS Q74 Series Network Video Encoders	AXIS Q74xx	v.5.50.4 and higher
AXIS Q79 Series Network Video Encoders	AXIS Q79xx	v.5.51.1 and higher
AXIS Q84 Series Network Cameras	AXIS Q84xx-xxx	v.5.40.1.1 and higher
AXIS Q86 Series Network Cameras	AXIS Q86xx-x	v.5.75.1 and higher
AXIS Q87 Series Network Cameras	AXIS Q87xx-x	v.5.50.4.1 and higher
AXIS Q92 Series Network Cameras	AXIS Q92xx-xxx	v.11.2.53 and higher
AXIS V59 Series Network Cameras	AXIS V59xx	v.5.75.1 and higher

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** EdgeStorage Sync

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Bolide PTZ Dome Camera	BC1009-PTZ3GIP	supported by specification
Bolide Fisheye Camera	BN1008FE	supported by specification
Bolide PTZ Dome Camera	BN1009/IRPTZ-30	supported by specification
Bolide PTZ Dome Camera	BN1009M/PTZ18	supported by specification
Bolide PTZ Dome Camera	BN1009M/PTZ22	supported by specification
Bolide PTZ Dome Camera	BN1009M/PTZ-22	supported by specification
Bolide PTZ Dome Camera	BN1009M-PTZ-18	supported by specification
Bolide PTZ Dome Camera	BN1009-PTZWDRIP	supported by specification
Bolide Dome Camera	BN2002IP	supported by specification
Bolide Box Camera	BN2002WDRIP	supported by specification
Bolide Dome Camera	BN2009AVAIRIP	supported by specification
Bolide Dome Camera	BN2009IRIP	supported by specification
Bolide Dome Camera	BN2009WDRVAIRIP	supported by specification
Bolide Box Camera	BN2035IRIP	supported by specification
Bolide Box Camera	BN5002M	tested by partner
Bolide Box Camera	BN5002M2	supported by specification
Bolide Box Camera	BN5002M5	supported by specification
Bolide Dome Camera	BN5009M	supported by specification
Bolide Dome Camera	BN5009M	supported by specification
Bolide Dome Camera	BN5009M2M	supported by specification
Bolide Dome Camera	BN5009M2M	supported by specification
Bolide Dome Camera	BN5009M5	supported by specification
Bolide Dome Camera	BN5009M-A	supported by specification
Bolide Dome Camera	BN5009M-I	supported by specification
Bolide Box Camera	BN5035M	supported by specification
Bolide Bullet Camera	BN5035M	supported by specification
Bolide Bullet Camera	BN5035M2	supported by specification
Bolide Bullet Camera	BN5035M5	supported by specification
Bolide Bullet Camera	BN5035M-A	supported by specification
Bolide Dome Camera	BN6009M2	supported by specification
Bolide Dome Camera	BN6009M2WD	supported by specification
Bolide Dome Camera	BN6009M4	supported by specification
Bolide Bullet Camera	BN6035M2	supported by specification
Bolide Bullet Camera	BN6035M4	supported by specification
Bolide Eyeball Camera	BN7019	supported by specification
Bolide Eyeball Camera	BN7029	supported by specification
Bolide Dome Camera	BN7029AVAIR	supported by specification
Bolide Bullet Camera	BN7035	supported by specification
Bolide Bullet Camera	BN7036	supported by specification
Bolide Bullet Camera	BN7036M	supported by specification

## Content

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch MIC IP starlight 7000 HD	MIC-7130-PB4	ver.6.11.0019
Bosch MIC IP starlight 7000 XT	MIC-7130-PB4PB	ver.6.11.0019
Bosch MIC IP starlight 7000 HD	MIC-7130-PG4	ver.6.11.0019
Bosch MIC IP starlight 7000 HD	MIC-7130-PW4	ver.6.11.0019
Bosch MIC IP starlight 7000 XT	MIC-7130-PW4PB	ver.6.11.0019
Bosch MIC IP starlight 7000 HD	MIC-7230-B5	supported by specification
Bosch MIC IP starlight 7000 HD	MIC-7230-G5	supported by specification
Bosch MIC IP dynamic 7000 HD	MIC-7230-PB4	ver.6.11.0019
Bosch MIC IP starlight 7000 XT	MIC-7230-PB4PB	ver.6.11.0019
Bosch MIC IP dynamic 7000 HD	MIC-7230-PG4	ver.6.11.0019
Bosch MIC IP dynamic 7000 HD	MIC-7230-PW4	ver.6.11.0019
Bosch MIC IP starlight 7000 XT	MIC-7230-PW4PB	ver.6.11.0019
Bosch MIC IP starlight 7000 HD	MIC-7230-W5	supported by specification
Bosch MIC 9000 fusion	MIC-7502-Z30B	supported by specification
Bosch MIC 9000 fusion	MIC-7502-Z30B-B	supported by specification
Bosch MIC 9000 fusion	MIC-7502-Z30B-U	supported by specification
Bosch MIC 9000 fusion	MIC-7502-Z30G	supported by specification
Bosch MIC 9000 fusion	MIC-7502-Z30W	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30BQF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30BQS	supported by specification
Bosch MIC 9000 fusion	MIC-9502Z30BV-B	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30BVF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30BVFx	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30BVS	supported by specification
Bosch MIC 9000 fusion	MIC-9502Z30BV-U	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30DQF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30DQS	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30DVF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30DVFX	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30DVS	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30GQF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30GQS	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30GVF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30GVFX	supported by specification

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch MIC 9000 fusion	MIC-9502-Z30GVS	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30WQF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30WQS	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30WVF	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30WVFX	supported by specification
Bosch MIC 9000 fusion	MIC-9502-Z30WVS	supported by specification
Bosch MIC VIP	MIC-IPIR-PS-115	ver.5.73.0046
Bosch MIC VIP	MIC-IPIR-PS-230	ver.5.73.0046
Bosch MIC VIP	MIC-IPIR-PS-24	ver.5.73.0046
Bosch MIC VIP	MIC-IP-PS-115	ver.5.73.0046
Bosch MIC VIP	MIC-IP-PS-230	ver.5.73.0046
Bosch MIC VIP	MIC-IP-PS-24	ver.5.73.0046
Bosch MIC 9000 fusion	MIC-ITS9530BVF	supported by specification
Bosch MIC 9000 fusion	MIC-ITS9530WVF	supported by specification
Bosch DINION IP imager 9000 HD	NAI-90022-AAA	ver.6.11.0019
Bosch DINION IP imager 9000 HD	NAI-90022-AAA-C	supported by specification
Bosch NBC-225-P	NBC-225-P	ver.5.73.0046
Bosch NBC-255-P	NBC-255-P	ver.5.73.0046
Bosch NBC-255-W	NBC-255-W	ver.5.73.0046
Bosch NBC-265-P	NBC-265-P	ver.5.73.0046
Bosch NBC-265-W	NBC-265-W	ver.5.73.0046
Bosch DINION NBC-455-P	NBC-455-11P	ver.5.73.0046
Bosch DINION NBC-455-P IVA	NBC-455-12IP	ver.5.73.0046
Bosch DINION NBC-455-P IVA	NBC-455-12P	ver.5.73.0046
Bosch DINION NBC-455-P IVA	NBC-455-14IP	ver.5.73.0046
Bosch DINION NBC-455-P	NBC-455-21P	ver.5.73.0046
Bosch DINION NBC-455-P IVA	NBC-455-22IP	ver.5.73.0046
Bosch DINION NBC-455-P IVA	NBC-455-22P	ver.5.73.0046
Bosch DINION IP 3000 XT	NBE-3002-AL	supported by specification
Bosch Bullet Camera 2MP AVF	NBE-4502-AL	supported by specification
Bosch Bullet Camera 2MP AVF	NBE-4502-ALAR	supported by specification
Bosch DINION IP bullet 4000i	NBE-4502-AL-W	supported by specification
Bosch Bullet Camera 5MP AVF	NBE-5503-AL	supported by specification
Bosch DINION IP bullet 5000i	NBE-5503-AL-W	supported by specification
Bosch Bullet Camera 5MP AVF	NBE-6502-AL	supported by specification



## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch DINION IP 4000 HD	NBN-40012-C	ver.6.11.0019
Bosch DINION IP 4000 HD	NBN-40012-V3	ver.6.11.0019
Bosch DINION NBN-498-P	NBN-498-11P	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-12IP	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-12P	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-14IP	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-14P	ver.5.73.0046
Bosch DINION NBN-498-P	NBN-498-21P	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-22IP	ver.5.73.0046
Bosch DINION NBN-498-P IVA	NBN-498-22P	ver.5.73.0046
Bosch 5000 series Network Cameras	NBN-5xxxx-x	v.6.11.0019 and higher
Bosch 6000 series Network Cameras	NBN-6xxxx-x	v.6.11.0019 and higher
Bosch 7000 series Network Cameras	NBN-7xxxx-x	v.6.11.0019 and higher
Bosch 8000 series Network Cameras	NBN-8xxxx-x	v.6.11.0006 and higher
Bosch DINION NBN-921-P IVA	NBN-921-14IP	ver.5.73.0046
Bosch DINION NBN-921-P IVA	NBN-921-2P	ver.5.73.0046
Bosch DINION NBN-921-P	NBN-921-3P	ver.5.73.0046
Bosch DINION NBN-921-P IVA	NBN-921-4IP	ver.5.73.0046
Bosch DINION NBN-921-P IVA	NBN-921-IP	ver.5.73.0046
Bosch DINION NBN-921-P	NBN-921-P	ver.5.73.0046
Bosch DINION IP dynamic 7000 HD	NBN-932V-IP	ver.6.11.0019
Bosch FLEXIDOME IP corner 9000 MP	NCN-90022-F1	ver.6.11.0019
Bosch NDC-225-P	NDC-225-P	ver.5.73.0046
Bosch NDC-225-PI	NDC-225-PI	ver.5.73.0046
Bosch NDC-255-P	NDC-255-P	ver.5.73.0046
Bosch NDC-265-P	NDC-265-P	ver.5.73.0046
Bosch NDC-274-P	NDC-274-P	ver.6.11.0019
Bosch NDC-274-P	NDC-274-PM	ver.6.11.0019
Bosch NDC-274-P	NDC-274-PT	ver.6.11.0019
Bosch NDC-284-P	NDC-284-PT	ver.6.11.0019
Bosch FLEXIDOME NDC-455-P	NDC-455V03-11P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V03-11PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-12IP	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-12IPS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-12P	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-12PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V03-21P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V03-21PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-22IP	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-22IPS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-22P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V03-22PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V09-11P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V09-11PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-12IP	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-12IPS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-12P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-12PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V09-21P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P	NDC-455V09-21PS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-22IP	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-22IPS	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-22P	ver.5.73.0046
Bosch FLEXIDOME NDC-455-P IVA	NDC-455V09-22PS	ver.5.73.0046
Bosch FLEXIDOME IP micro 2000	NDE-2002-F2	supported by specification
Bosch FLEXIDOME IP micro 2000	NDE-2002-F4	supported by specification
Bosch FLEXIDOME IP micro 2000	NDE-2003-F2	supported by specification
Bosch FLEXIDOME IP micro 2000	NDE-2003-F4	supported by specification
Bosch FLEXIDOME IP 3000i IR	NDE-3502-AL	supported by specification
Bosch FLEXIDOME IP 3000i IR	NDE-3503-AL	supported by specification
Bosch Fixed Dome 2MP AVF	NDE-4502-A	supported by specification
Bosch FLEXIDOME IP 4000i	NDE-4502-A-A	supported by specification
Bosch Fixed Dome 2MP AVF	NDE-4502-AL	supported by specification
Bosch Fixed Dome 2MP AVF	NDE-4502-ALAR	supported by specification
Bosch Fixed Dome 5MP AVF	NDE-5503-A	supported by specification
Bosch FLEXIDOME IP 5000i	NDE-5503-A-A	supported by specification
Bosch Fixed Dome 5MP AVF	NDE-5503-AL	supported by specification
Bosch FLEXIDOME IP 5000i	NDE-5503-A-W	supported by specification
Bosch FLEXIDOME IP indoor 3000	NDI-3002-B	supported by specification
Bosch FLEXIDOME IP outdoor 4000 IR	NDI-40012-V3	ver.6.11.0019

## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP outdoor 4000 IR	NDI-41012-V3	ver.6.11.0019
Bosch Fixed Dome 2MP AVF	NDI-4502-A	supported by specification
Bosch FLEXIDOME IP 4000i	NDI-4502-A-A	supported by specification
Bosch Fixed Dome 2MP AVF	NDI-4502-AAR	supported by specification
Bosch Fixed Dome 2MP AVF	NDI-4502-AL	supported by specification
Bosch FLEXIDOME IP 4000i	NDI-4502-A-W	supported by specification
Bosch FLEXIDOME IP outdoor 5000 IR	NDI-50022-A3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 IR	NDI-50022-V3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 IR	NDI-50051-A3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 IR	NDI-50051-V3	supported by specification
Bosch FLEXIDOME IP outdoor 5000 IR	NDI-51022-V3	supported by specification
Bosch Fixed Dome 5MP AVF	NDI-5503-A	supported by specification
Bosch FLEXIDOME IP 5000i	NDI-5503-A-A	supported by specification
Bosch Fixed Dome 5MP AVF	NDI-5503-AL	supported by specification
Bosch FLEXIDOME IP 5000i	NDI-5503-A-W	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN 832V02-IP	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN 832V03-IP	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN 832V09-IP	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN 832V09-P	supported by specification
Bosch NDN-265-PIO	NDN-265-PIO	ver.5.73.0046
Bosch FLEXIDOME IP outdoor 4000 HD	NDN-40012-V3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 4000 HD	NDN-41012-V3	ver.6.11.0019
Bosch FLEXIDOME NDN-498-P	NDN-498V03-11P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V03-11PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-12IP	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-12IPPS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-12P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-12PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V03-21P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V03-21PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-22IP	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-22IPPS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-22P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V03-22PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V06-12IPPS	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V06-22IPS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V09-11P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V09-11PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-12IP	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-12IPS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-12P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-12PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V09-21P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P	NDN-498V09-21PS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-22IP	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-22IPS	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-22P	ver.5.73.0046
Bosch FLEXIDOME NDN-498-P IVA	NDN-498V09-22PS	ver.5.73.0046
Bosch FLEXIDOME IP outdoor 5000 HD	NDN-50022-A3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 HD	NDN-50022-V3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 MP	NDN-50051-A3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 MP	NDN-50051-V3	ver.6.11.0019
Bosch FLEXIDOME IP outdoor 5000 HD	NDN-51022-V3	supported by specification
Bosch FLEXIDOME IP outdoor 5000 MP	NDN-51051-V3	supported by specification
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V02-IP	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V02-P	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V03-IP	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V03-P	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V09-IP	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 RD	NDN-733V09-P	ver.6.11.0019
Bosch FLEXIDOME IP starlight 8000 MP	NDN-80052-F2A	supported by specification
Bosch FLEXIDOME IP starlight 8000 MP	NDN-80052-F6A	supported by specification
Bosch FLEXIDOME IP panoramic 8000 MP	NDN-80122-F0A	supported by specification
Bosch FLEXIDOME IP panoramic 8000 MP	NDN-80122-F1A	supported by specification
Bosch FLEXIDOME IP ultra 8000 MP	NDN-80122-F2A	supported by specification
Bosch FLEXIDOME IP ultra 8000 MP	NDN-80122-F6A	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN-832V02-IP	ver.6.11.0019
Bosch FLEXIDOME IP 7000 RD	NDN832V02-P	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN-832V02-P	ver.6.11.0019
Bosch FLEXIDOME IP 7000 RD	NDN-832V03-IP	ver.6.11.0019

## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP 7000 RD	NDN832V03-P	supported by specification
Bosch FLEXIDOME IP 7000 RD	NDN-832V03-P	ver.6.11.0019
Bosch FLEXIDOME IP 7000 RD	NDN-832V09-IP	ver.6.11.0019
Bosch FLEXIDOME IP 7000 RD	NDN-832V09-P	ver.6.11.0019
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-2P	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-2PS	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P	NDN-921V03-3P	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P	NDN-921V03-3PS	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-4IP	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-4IPS	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-IP	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P IVA	NDN-921V03-IPS	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P	NDN-921V03-P	ver.5.73.0046
Bosch FLEXIDOME NDN-921-P	NDN-921V03-PS	ver.5.73.0046
Bosch FLEXIDOME IP dynamic 7000 RD	NDN-932V02-IP	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 RD	NDN-932V03-IP	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 RD	NDN-932V09-IP	ver.6.11.0019
Bosch AutoDome IP 4000i	NDP-4502-Z12	supported by specification
Bosch AutoDome IP 4000i	NDP-4502-Z12C	supported by specification
Bosch AutoDome IP 4000i	NDP-5502-Z30	supported by specification
Bosch AUTODOME IP 5000i	NDP-5502-Z30-A	supported by specification
Bosch AutoDome IP 4000i	NDP-5502-Z30C	supported by specification
Bosch AutoDome IP 4000i	NDP-5502-Z30L	supported by specification
Bosch AUTODOME IP starlight 5000i	NDP-5512-Z30	supported by specification
Bosch AUTODOME IP starlight 5000i	NDP-5512-Z30C	supported by specification
Bosch AUTODOME IP starlight 5000i IR	NDP-5512-Z30L	supported by specification
Bosch AUTODOME IP starlight 7000i	NDP-7502-Z30-C	supported by specification
Bosch FLEXIDOME IP micro 3000i	NDV-3502-F02	supported by specification
Bosch FLEXIDOME IP micro 3000i	NDV-3502-F03	supported by specification
Bosch FLEXIDOME IP micro 3000i	NDV-3503-F02	supported by specification
Bosch FLEXIDOME IP micro 3000i	NDV-3503-F03	supported by specification
Bosch NEI-30 IR Imager IVA	NEI-308V05-12WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-308V05-13WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-308V05-22WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-308V05-23WE	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

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**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch NEI-30 IR Imager IVA	NEI-309V05-12WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-309V05-13WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-309V05-22WE	ver.5.73.0046
Bosch NEI-30 IR Imager IVA	NEI-309V05-23WE	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R1-1	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R1-2	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R2-1	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R2-2	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R3-1	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R3-2	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R4-1	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R4-2	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R5-1	ver.5.73.0046
Bosch Dinion NER-L2	NER-L2R5-2	ver.5.73.0046
Bosch AUTODOME IP 4000 HD	NEZ-4112-CPCW4	supported by specification
Bosch AUTODOME IP 4000 HD	NEZ-4112-CPTW4	supported by specification
Bosch AutoDome IP 4000 HD	NEZ-4112-PPCW4	ver.6.11.0019
Bosch AutoDome IP 4000 HD	NEZ-4112-PPTW4	ver.6.11.0019
Bosch AutoDome IP 4000 HD	NEZ-4212-CPCW4	ver.6.11.0019
Bosch AUTODOME IP 4000 HD	NEZ-4212-CPTW4	supported by specification
Bosch AutoDome IP 4000 HD	NEZ-4212-PPCW4	ver.6.11.0019
Bosch AutoDome IP 4000 HD	NEZ-4212-PPTW4	ver.6.11.0019
Bosch AUTODOME IP 5000 HD	NEZ-5130-CPCW4	supported by specification
Bosch AUTODOME IP 5000 HD	NEZ-5130-CPTW4	supported by specification
Bosch AutoDome IP 5000 HD	NEZ-5130-EPCW4	ver.6.11.0019
Bosch AutoDome IP 5000 IR	NEZ-5130-IRCW4	ver.6.11.0019
Bosch AutoDome IP 5000 HD	NEZ-5130-PPCW4	ver.6.11.0019
Bosch AutoDome IP 5000 HD	NEZ-5130-PPTW4	ver.6.11.0019
Bosch AutoDome IP 5000 HD	NEZ-5230-CPCW4	ver.6.11.0019
Bosch AUTODOME IP 5000 HD	NEZ-5230-CPTW4	supported by specification
Bosch AutoDome IP 5000 HD	NEZ-5230-EPCW4	ver.6.11.0019
Bosch AutoDome IP 5000 IR	NEZ-5230-IRCW4	ver.6.11.0019
Bosch AutoDome IP 5000 HD	NEZ-5230-PPCW4	ver.6.11.0019
Bosch AutoDome IP 5000 HD	NEZ-5230-PPTW4	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 6000 IC	NFN-60122-F0	supported by specification

## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP panoramic 6000 IC	NFN-60122-F1	supported by specification
Bosch FLEXIDOME IP panoramic 7000 IC	NFN-70122-F0	supported by specification
Bosch FLEXIDOME IP panoramic 7000 IC with IVA	NFN-70122-F0A	supported by specification
Bosch FLEXIDOME IP panoramic 7000 IC	NFN-70122-F1	supported by specification
Bosch FLEXIDOME IP panoramic 7000 IC with IVA	NFN-70122-F1A	supported by specification
Bosch DINION IP thermal 8000	NHT-8000-F07QF	supported by specification
Bosch DINION IP thermal 8000	NHT-8000-F07QS	supported by specification
Bosch DINION IP thermal 8000	NHT-8000-F19QF	supported by specification
Bosch DINION IP thermal 8000	NHT-8000-F19QS	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F09VF	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F09VS	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F17VF	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F17VS	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F35VF	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F35VS	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F65VF	supported by specification
Bosch DINION IP thermal 8000	NHT-8001-F65VS	supported by specification
Bosch FLEXIDOME IP indoor 4000 IR	NII-40012-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 4000 IR	NII-41012-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 IR	NII-50022-A3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 IR	NII-50022-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 IR	NII-50051-A3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 IR	NII-50051-V3	supported by specification
Bosch FLEXIDOME IP indoor 5000 IR	NII-51022-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 4000 HD	NIN-40012-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 4000 HD	NIN-41012-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 HD	NIN-50022-A3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 HD	NIN-50022-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 MP	NIN-50051-A3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 MP	NIN-50051-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 HD	NIN-51022-V3	ver.6.11.0019
Bosch FLEXIDOME IP indoor 5000 MP	NIN-51051-V3	supported by specification
Bosch FLEXODOME IP starlight 6000VR	NIN-63013-A3	supported by specification
Bosch FLEXODOME IP starlight 6000VR	NIN-63013-A3S	supported by specification
Bosch FLEXODOME IP starlight 6000VR	NIN-63023-A3	supported by specification

## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP starlight 6000VR	NIN-63023-A3S	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-63023-A3S-W	supported by specification
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F0	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F0A	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F0AS	supported by specification
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F0S	supported by specification
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F1	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F1A	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F1AS	supported by specification
Bosch FLEXIDOME IP panoramic 7000 MP	NIN-70122-F1S	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73013-A10A	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73013-A10AS	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73013-A3A	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73013-A3AS	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A10A	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A10A-A	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A10AS	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A3A	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A3AS	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-73023-A3AS-W	supported by specification
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V03IP	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V03IPS	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V03P	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V03PS	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V10IP	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V10IPS	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V10P	ver.6.11.0019
Bosch FLEXIDOME IP starlight 7000 VR	NIN-733-V10PS	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V03IP	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V03IPS	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V03P	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V03PS	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V10IP	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V10IPS	ver.6.11.0019
Bosch FLEXIDOME IP 7000 VR	NIN-832-V10P	ver.6.11.0019



## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP 7000 VR	NIN-832-V10PS	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 VR	NIN-932-V03IP	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 VR	NIN-932-V03IPS	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 VR	NIN-932-V10IP	ver.6.11.0019
Bosch FLEXIDOME IP dynamic 7000 VR	NIN-932-V10IPS	ver.6.11.0019
Bosch TINYON IP 2000	NPC-20002-F2	ver.6.11.0019
Bosch TINYON IP 2000 HD	NPC-20012-F2	ver.6.11.0019
Bosch TINYON IP 2000 PIR	NPC-20012-F2L	ver.6.11.0019
Bosch TINYON IP 2000 PIR	NPC-20012-F2L-W	ver.6.11.0019
Bosch TINYON IP 2000 HD	NPC-20012-F2-W	supported by specification
Bosch TINYON IP 2000 WI	NPC-20012-F2WL	ver.6.11.0019
Bosch TINYON IP 2000 WI	NPC-20012-F2WL-W	ver.6.11.0019
Bosch NTC-255-PI	NTC-255-PI	ver.5.73.0046
Bosch NTC-265-PI	NTC-265-PI	ver.5.73.0046
Bosch DINION IP bullet 3000 HD	NTI-30012-V2	supported by specification
Bosch DINION IP bullet 4000	NTI-40012-A3	supported by specification
Bosch DINION IP bullet 4000 HD	NTI-40012-V3	ver.6.11.0019
Bosch DINION IP bullet 5000	NTI-50022-A3	supported by specification
Bosch DINION IP bullet 5000 HD	NTI-50022-V3	ver.6.11.0019
Bosch DINION IP bullet 5000 MP	NTI-50051-A3	supported by specification
Bosch DINION IP bullet 5000 HD	NTI-51022-A3S	supported by specification
Bosch DINION IP bullet 5000 HD	NTI-51022-V3	supported by specification
Bosch DINION IP bullet 5000 MP	NTI-51051-V3	supported by specification
Bosch FLEXIDOME IP micro 2000	NUC-20002-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 2000 HD	NUC-20012-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 2000	NUC-21002-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 2000 HD	NUC-21012-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 HD	NUC-50022-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 HD	NUC-50022-F2M	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 HD	NUC-50022-F4	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-50051-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-50051-F2M	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-50051-F4	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 HD	NUC-51022-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 HD	NUC-51022-F2M	ver.6.11.0019

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch FLEXIDOME IP micro 5000 HD	NUC-51022-F2-W	supported by specification
Bosch FLEXIDOME IP micro 5000 HD	NUC-51022-F4	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-51051-F2	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-51051-F2M	ver.6.11.0019
Bosch FLEXIDOME IP micro 5000 MP	NUC-51051-F4	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 5000 MP	NUC-52051-F0	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 5000 MP	NUC-52051-F0E	ver.6.11.0019
Bosch FLEXIDOME IP panoramic 5000 MP	NUC-52051-F0-W	supported by specification
Bosch EXTEGRA IP starlight 9000 FX	NXF-9130-A4	supported by specification
Bosch EXTEGRA IP starlight 9000 FX	NXF-9130-S4	supported by specification
Bosch EXTEGRA IP dynamic 9000 FX	NXF-9230-A4	supported by specification
Bosch EXTEGRA IP dynamic 9000 FX	NXF-9230-S4	supported by specification
Bosch HD Conference Dome	VCD-811-ICT	ver.5.73.0046
Bosch HD Conference Dome	VCD-811-IWT	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ECCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ECCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-ECCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ECTE	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-ECTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-EWCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-EWCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-EWCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-EWTE	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-EWTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ICCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ICCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-ICCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ICTE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-ICTEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-ICTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-IWCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-IWCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-211-IWCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-IWTE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-211-IWTEIVA	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch AutoDome Easy II IP	VEZ-211-IWTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ECCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ECCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-ECCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ECTE	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-ECTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-EWCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-EWCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-EWSC	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-EWTE	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-EWTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ICCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ICCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-ICCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ICTE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-ICTEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-ICTS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-IWCE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-IWCEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-IWCS	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-IWTE	ver.5.73.0046
Bosch AutoDome Easy II IP IVA	VEZ-221-IWTEIVA	ver.5.73.0046
Bosch AutoDome Easy II IP	VEZ-221-IWTS	ver.5.73.0046
Bosch AutoDome IP 7000	VG5-7028-C1PC4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7028-C2PP4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7028-C2PT4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7028-E1PC4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7028-E2PC4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7036-E1PC1	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7036-E1PC4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7036-E2PC4	ver.6.11.0019
Bosch AutoDome IP 7000	VG5-7036-E2PC4ITS	ver.6.11.0019
Bosch AutoDome IP starlight 7000 HD	VG5-7130-CPT4	ver.6.11.0019
Bosch AutoDome IP starlight 7000 HD	VG5-7130-EPC4	ver.6.11.0019
Bosch AutoDome 700 IP	VG5-713-CCE2	ver.5.73.0046

## Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch AutoDome 700 IP	VG5-713-ECE2	ver.5.73.0046
Bosch AutoDome 700 IP	VG5-714-ECE2	ver.5.73.0046
Bosch AutoDome IP 7000 HD	VG5-7220-CPT4	ver.6.11.0019
Bosch AutoDome IP 7000 HD	VG5-7220-CPT5	supported by specification
Bosch AutoDome IP 7000 HD	VG5-7220-EPC4	ver.6.11.0019
Bosch AutoDome IP 7000 HD	VG5-7220-EPC4ITS	ver.6.11.0019
Bosch AutoDome IP 7000 HD	VG5-7220-EPC5	supported by specification
Bosch AutoDome IP dynamic 7000 HD	VG5-7230-CPT4	ver.6.11.0019
Bosch AutoDome IP starlight 7000 HD	VG5-7230-CPT5	supported by specification
Bosch AutoDome IP dynamic 7000 HD	VG5-7230-EPC4	ver.6.11.0019
Bosch AutoDome IP starlight 7000 HD	VG5-7230-EPC5	supported by specification
Bosch AutoDome IP starlight 7000 HD	VG5-7230-EPR5	supported by specification
Bosch AutoDome 700 IP	VG5-723-CCE2	ver.5.73.0046
Bosch AUTODOME IP 7000	VG5-723-CTE3	supported by specification
Bosch AutoDome 700 IP	VG5-723-ECE2	ver.5.73.0046
Bosch AutoDome 700 IP	VG5-723-ECE2ITS	ver.5.73.0046
Bosch AUTODOME IP 7000	VG5-723-ECE3	supported by specification
Bosch AutoDome 700 IP	VG5-724-ECE2	ver.5.73.0046
Bosch AutoDome 700 IP	VG5-724-ECE2ITS	ver.5.73.0046
Bosch AUTODOME IP 7000	VG5-724-ECE3	supported by specification
Bosch AutoDome 800 HD	VG5-825-CCEV	ver.5.73.0046
Bosch AutoDome 800 HD	VG5-825-CxEV	ver.5.73.0046
Bosch AutoDome 800 HD	VG5-825-ECEV	ver.5.73.0046
Bosch AutoDome 800 HD	VG5-825-ETEV	ver.5.73.0046
Bosch AutoDome 800 HD	VG5-825-ExEV	ver.5.73.0046
Bosch AutoDome IP 7000 HD	VG5-836-CTE3	ver.6.11.0019
Bosch AutoDome IP 7000 HD	VG5-836-ECE3	ver.6.11.0019
Bosch AutoDome 800 HD	VG5-836-ECEV	ver.5.73.0046
Bosch AutoDome 800 HD	VG5-836-ECEVITS	ver.5.73.0046
Bosch AUTODOME IP starlight 7000i	VG5-ITS1080P-30X7	supported by specification
Bosch VIP-X1600-XFM4	VIP-X1600-XFM4A	ver.5.93.0015
Bosch VIP-X1600-XFM4	VIP-X1600-XFM4B	ver.5.93.0015
Bosch VIP X16 XF E	VIP-X16XF-E	ver.5.92.0023
Bosch VIP X1 XF IVA	VIP-X1XF	ver.5.73.0046
Bosch VIP X1 XF E	VIP-X1XF-E	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch VIDEOJET connect 7000	VJC-7000-90	supported by specification
Bosch VIDEOJET decoder 3000	VJD-3000	supported by specification
Bosch VIDEOJET multi 4000	VJM-4016	ver.5.92.0023
Bosch VIDEOJET multi 4000	VJM-4016-EU	ver.5.92.0023
Bosch VIDEOJET multi 4000	VJM-4016-US	ver.5.92.0023
Bosch VIDEOJET multi 7000	VJM-7016-B	ver.5.92.0023
Bosch AutoDome Jr 800 HD	VJR-811-ICC	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-ICCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-ICT	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-ICTV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-IWC	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-IWCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-IWT	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-811-IWTV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-ICC	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-ICCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-ICT	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-ICTV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-IWC	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-IWCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-IWT	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-821-IWTV	ver.5.73.0046
Bosch AutoDome Jr 800 HD	VJR-831-EWCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD Fixed	VJR-F801-ICCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD Fixed	VJR-F801-ICTV	ver.5.73.0046
Bosch AutoDome Jr 800 HD Fixed	VJR-F801-IWCV	ver.5.73.0046
Bosch AutoDome Jr 800 HD Fixed	VJR-F801-IWTV	ver.5.73.0046
Bosch VJT-X20XF-E	VJT-X20XF-E	ver.5.93.0015
Bosch VJT-X40XF-E	VJT-X40XF-E	ver.5.93.0015
Bosch VJT-XTCXF	VJT-XTCXF	ver.5.93.0015
Bosch VOT-320V IVA	VOT-320V009H	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V009L	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V013H	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V013L	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V019H	ver.5.73.0046

### Integration Protocol: CGI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Edge Storage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Edge Analytics:** Native Bosch embedded analytic detectors (IVA)

**Controls:** PTZ (OSRD, BiCom), Focus (+/-); Iris (+/-), Presets (a Call only); Tours (a Call only), Embedded Wiper; Relays (outputs), Sensors (inputs)

**Network:** Autodiscovery; Basic or Digest access authentication; IP-address/DNS; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Supported Firmware
Bosch VOT-320V IVA	VOT-320V019L	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V025H	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V025L	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V035H	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V035L	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V060H	ver.5.73.0046
Bosch VOT-320V IVA	VOT-320V060L	ver.5.73.0046
Bosch FLEXIDOME IP 5000i	NDI-5502-A	supported by specification
Bosch FLEXIDOME IP 5000i	NDI-5502-AL	supported by specification
Bosch FLEXIDOME IP 5000i	NDE-5502-A	supported by specification
Bosch FLEXIDOME IP 5000i	NDE-5502-AL	supported by specification
Bosch DINION IP bullet 5000i	NBN-65023-B	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Cisco Video Surveillance PTZ Camera	CIVS-IPC-2830	supported by specification
Cisco Video Surveillance PTZ Camera	CIVS-IPC-2835	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3050	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3421V	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3520	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3530	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3535	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3620	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-3630	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6000P	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6020	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6030	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6050	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6400	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6400E	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6500PD	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6620	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-6630	supported by specification
Cisco Video Surveillance PTZ Camera	CIVS-IPC-6930	supported by specification
Cisco Video Surveillance PTZ Camera	CIVS-IPC-7030	supported by specification
Cisco Video Surveillance PTZ Camera	CIVS-IPC-7030E	supported by specification
Cisco Video Surveillance Camera	CIVS-IPC-7530PD	supported by specification
Cisco Video Surveillance Box Camera	CIVS-IPC-8000P	supported by specification
Cisco Video Surveillance Dome Camera	CIVS-IPC-8020	supported by specification
Cisco Video Surveillance Dome Camera	CIVS-IPC-8030	supported by specification
Cisco Video Surveillance Fisheye Camera	CIVS-IPC-8070	supported by specification
Cisco Video Surveillance Box Camera	CIVS-IPC-8400	supported by specification
Cisco Video Surveillance Dome Camera	CIVS-IPC-8620	supported by specification
Cisco Video Surveillance Dome Camera	CIVS-IPC-8630	supported by specification
Cisco Video Surveillance PTZ Dome Camera	CIVS-IPC-8930	supported by specification
Cisco Video Surveillance 360 Camera	CIVS-IPC-7070	supported by specification

## Content

### Integration Protocol: CGI (native Dahua protocol)

**Video:** All channels available in device; up to 3 streams; H.265, H.264, MJPEG codecs;

**Audio:** All channels available in device; Microphone (audio-in), Speaker (audio-out); G.711, AAC codecs;

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only), Recorded Tours (Call/Recording); Embedded Wiper; Embedded Light; Sensors (inputs); Relays (outputs);

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

**Alternative protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Firmware
Dahua WizMind S Series Network Cameras	IPC-HDBW5xxx	v3.100.0000000.2.R.230106 and higher
Dahua WizMind S Series Network Cameras	IPC-HDW5xxx	v3.100.0000000.2.R.230106 and higher
Dahua WizMind S Series Network Cameras	IPC-HF5xxx	v3.100.0000000.2.R.230106 and higher
Dahua WizMind S Series Network Cameras	IPC-HFW5xxx	v3.100.0000000.2.R.230106 and higher
Dahua WizMind X Series Network Cameras	IPC-HDBW7xxx	v3.100.0000000.12.R.230111 and higher
Dahua WizMind X Series Network Cameras	IPC-HDW7xxx	v3.100.0000000.12.R.230111 and higher
Dahua WizMind X Series Network Cameras	IPC-HF7xxx	v3.100.0000000.12.R.230111 and higher
Dahua WizMind X Series Network Cameras	IPC-HFW7xxx	v3.100.0000000.12.R.230111 and higher
Dahua WizMind Series Network Cameras	IPC-PSDW8xxG	v3.000.0000000.7.R.221217 and higher
Dahua WizMind Series Network Cameras	IPC-PDBW820xx	v3.000.0000000.7.R.221217 and higher
Dahua WizMind Series Network Cameras	IPC-PDBW820xx	v3.100.0000000.6.R.220908 and higher
Dahua WizMind Series Network Cameras	IPC-Hx7xxx	v3.000.0000000.14.R.220718 and higher
Dahua WizMind Series Network Cameras	IPC-Hx8xxx	v3.000.0000000.14.R.220718 and higher
Dahua WizMind Series Network Cameras	IPC-HDBW3xxx	v2.800.0000000.39.R.220726 and higher
Dahua WizMind Series Network Cameras	IPC-HDW3xxx	v2.800.0000000.39.R.220726 and higher
Dahua WizMind Series Network Cameras	IPC-HF3xxx	v2.800.0000000.39.R.220726 and higher
Dahua WizMind Series Network Cameras	IPC-HFW3xxx	v2.800.0000000.39.R.220726 and higher
Dahua WizMind Series Network Cameras	IPC-HDBW2xxx	v2.860.0000000.4.R.230109 and higher
Dahua WizMind Series Network Cameras	IPC-HDW2xxx	v2.860.0000000.4.R.230109 and higher
Dahua WizMind Series Network Cameras	IPC-HF2xxx	v2.860.0000000.4.R.230109 and higher
Dahua WizMind Series Network Cameras	IPC-HFW2xxx	v2.860.0000000.4.R.230109 and higher
Dahua Pro Series Network Cameras	IPC-Hx5x3x	v2.800.0000029.0.R.221220 and higher
Dahua Lite Series Network Cameras	IPC-Hx2xxx	v2.820.0000000.49.R.220815 and higher
Dahua Lite Series Network Cameras	IPC-Hx25xx	v2.820.0000000.49.R.220815 and higher
Dahua Lite Series Network Cameras	IPC-Hx28xx	v2.820.0000000.49.R.220815 and higher
Dahua Panoramic Series Network Cameras	IPC-Hx8xxx	v2.800.0000000.10.R.220823 and higher
Dahua Panoramic Series Network Cameras	IPC-Hx5xxx	v2.800.0000000.10.R.220823 and higher
Dahua WizMind Series PTZ Network Cameras	SDTxxxxx	v2.821.0000005.0.R.220805 and higher
Dahua WizMind Series PTZ Network Cameras	SD8Axxxx	v2.821.0000004.0.R.220728 and higher
Dahua WizMind Series PTZ Network Cameras	SD8Cxxxx	v2.821.0000004.0.R.220728 and higher



## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
APIX Bullet Series	Apix - 10ZBullet / S2	supported by specification
APIX SpeedDome Series	Apix - 12ZDome / E3 EXT	ver.2.0.0702.1002.67.1.119.1.6
APIX Zbox Series	Apix - 18ZBox / M2	supported by specification
APIX Zbox Series	Apix - 18ZBox / M2 SFP	supported by specification
APIX SpeedDome Series	Apix - 20ZDome / M2	supported by specification
APIX SpeedDome Series	Apix - 20ZDome / M2 EXT	supported by specification
APIX Bullet Series	Apix - 22ZBullet / S2 SFP	supported by specification
APIX SpeedDome Series	Apix - 22ZDome / E2 LED EXT	supported by specification
APIX SpeedDome Series	Apix - 22ZDome / S2 LED SFP	supported by specification
APIX Zbox Series	Apix - 30ZBox / M4	supported by specification
APIX SpeedDome Series	Apix - 30ZDome / E3 LED EXT	supported by specification
APIX SpeedDome Series	Apix - 30ZDome / M2 EXT	supported by specification
APIX SpeedDome Series	Apix - 33ZDome / S2 LED	supported by specification
APIX Zbox Series	Apix - 3ZBox / M4	supported by specification
APIX Box Series	Apix - Box / 4K	supported by specification
APIX Box Series	Apix - Box / E4	supported by specification
APIX Box Series	Apix - Box / E8	supported by specification
APIX Box Series	Apix - Box / M12 SFP	supported by specification
APIX Box Series	Apix - Box / M2 II	supported by specification
APIX Box Series	Apix - Box / M2 SFP	supported by specification
APIX Box Series	Apix - Box / M2 WDR	supported by specification
APIX Box Series	Apix - Box / M3	supported by specification
APIX Box Series	Apix - Box / M3 SFP	supported by specification
APIX Box Series	Apix - Box / M4	supported by specification
APIX Box Series	Apix - Box / M5	supported by specification
APIX Box Series	Apix - Box / S2	supported by specification
APIX Box Series	Apix - Box / S2 SFP	supported by specification
APIX Box Series	Apix - Box / S2 SFP Expert	supported by specification
APIX Bullet Series	Apix - Bullet / E2	supported by specification
APIX Bullet Series	Apix - Bullet / E2 NT	supported by specification
APIX Bullet Series	Apix - Bullet / E4	supported by specification
APIX Bullet Series	Apix - Bullet / E4 AF	supported by specification
APIX Bullet Series	Apix - Bullet / M2	supported by specification
APIX Bullet Series	Apix - Bullet / M4 AF	supported by specification
APIX Compact Series	Apix - Compact / M1	supported by specification
APIX Compact Series	Apix - Compact / M2 WiFi	supported by specification
APIX Dome Series	Apix - Dome / 4K AF	supported by specification
APIX Dome Series	Apix - Dome / E2	supported by specification
APIX Dome Series	Apix - Dome / E2 WDR AF	supported by specification
APIX Dome Series	Apix - Dome / E5 LED	supported by specification
APIX Dome Series	Apix - Dome / M4 AF	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
APIX FishEye Series	Apix - FishEye / E6 EXT	supported by specification
APIX FishEye Series	Apix - FishEye / M12 EXT II	supported by specification
APIX Bullet Series	Apix - MiniBullet / M2	supported by specification
APIX Bullet Series	Apix - MiniBullet / M4	supported by specification
APIX Dome Series	Apix - MiniDome / E2	supported by specification
APIX Dome Series	Apix - MiniDome / E4	supported by specification
APIX Dome Series	Apix - MiniDome / M2	supported by specification
APIX Dome Series	Apix - MiniDome / M2 WDR	supported by specification
APIX Dome Series	Apix - VDome / E4 AF	supported by specification
APIX Dome Series	Apix - VDome / E8 EXT AF	supported by specification
APIX Dome Series	Apix - VDome / M3 LED EXT AF	supported by specification
APIX Dome Series	Apix - VDome / M4 EXT AF	supported by specification
APIX Dome Series	Apix - VDome / S2 WDR AF	supported by specification
APIX Compact Series	Apix - Compact / M2NH 21	supported by specification
APIX Compact Series	Apix - Compact / M2NH 28	supported by specification
APIX Compact Series	Apix - Compact / M2NH 37p	supported by specification
APIX Compact Series	Apix - Compact / M2 28 WiFi	supported by specification
APIX Box Series	Apix - Box / E4 II	supported by specification
APIX Box Series	Apix - Box / E12	supported by specification
APIX Box Series	Apix - 33ZBox / M3 II	supported by specification
APIX Box Series	Apix - 22ZBox / M8	supported by specification
APIX MiniDome Series	Apix - MiniDome / E2 21 II	supported by specification
APIX MiniDome Series	Apix - MiniDome / E2 28 II	supported by specification
APIX MiniDome Series	Apix - MiniDome / E4 21 II	supported by specification
APIX MiniDome Series	Apix - MiniDome / E4 28 II	supported by specification
APIX MiniDome Series	Apix - MiniDome / E2 21 III	supported by specification
APIX MiniDome Series	Apix - MiniDome / E2 28 III	supported by specification
APIX MiniDome Series	Apix - MiniDome / E4 21 III	supported by specification
APIX MiniDome Series	Apix - MiniDome / E4 28 III	supported by specification
APIX Dome Series	Apix - Dome / E2 2812	supported by specification
APIX Dome Series	Apix - Dome / E2 WDR 2712 AF	supported by specification
APIX VDome Series	Apix - VDome / S2 WDR 2712 AF	supported by specification
APIX VDome Series	Apix - VDome / E4 2712 AF	supported by specification
APIX VDome Series	Apix - VDome / E5 2713 AF	supported by specification
APIX VDome Series	Apix - VDome / E8 EXT 2812 AF	supported by specification
APIX VDome Series	Apix - VDome / M2 LED EXT 301	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M2 40 II	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M2 28 II	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M2 28 III	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M2 40 III	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M4 28 II	supported by specification
APIX MiniBullet Series	Apix - MiniBullet / M4 28 III	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
APIX Bullet Series	Apix - Bullet / M2 2812 II	supported by specification
APIX Bullet Series	Apix - Bullet / M2 2714 II	supported by specification
APIX Bullet Series	Apix - Bullet / M4 2714 AF	supported by specification
APIX Bullet Series	Apix - Bullet / M4 2714 AF (II)	supported by specification
APIX Bullet Series	Apix - Bullet / E2 WDR 2712 AF	supported by specification
APIX Bullet Series	Apix - Bullet / E5 2713 AF	supported by specification
APIX Bullet Series	Apix - Bullet / M8 3611 AF	supported by specification
APIX Bullet Series	Apix - Bullet / E2 3611 AF	supported by specification
APIX Bullet Series	Apix - 4ZBullet / S2 II	supported by specification
APIX Bullet Series	Apix - 4ZBullet / M4	supported by specification
APIX Bullet Series	Apix - 4ZBullet / M8 II	supported by specification
APIX Bullet Series	Apix - 10ZBullet / S2	supported by specification
APIX Bullet Series	Apix - 22ZBullet / S2 SFP	supported by specification
APIX Bullet Series	Apix - 22ZBullet / S2 SUP	supported by specification
APIX FishEye Series	Apix - FishEye / E12 EXT	supported by specification
APIX PTZ Series	Apix - 30ZDome / E3B	supported by specification
APIX PTZ Series	Apix - 5ZDome / M2	supported by specification
APIX PTZ Series	Apix - 5ZDome / M5 WiFi	supported by specification
APIX PTZ Series	Apix - 40ZDome / E5P	supported by specification
APIX PTZ Series	Apix - 22ZDome / M2 II	supported by specification
APIX PTZ Series	Apix - 12ZDome / E5 EXT	supported by specification
APIX PTZ Series	Apix - 22ZDome / M2 III	supported by specification
APIX PTZ Series	Apix - 20ZDome / M2	supported by specification
APIX PTZ Series	Apix - 22ZDome / S2 LED SFP	supported by specification
APIX PTZ Series	Apix - 22ZDome / S2 LED SUP	supported by specification
APIX PTZ Series	Apix - 33ZDome / S2 LED	supported by specification
APIX PTZ Series	Apix - 38ZDome / S2 LED SFP	supported by specification
APIX PTZ Series	Apix - 22ZDome / M8	supported by specification
APIX PTZ Series	Apix - 33ZDome / S2 LR	supported by specification
APIX PTZ Series	Apix - 38ZDome / M4 Tracking	supported by specification
APIX Thermal Series	Apix - Thermal / Mini 256-2	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 08	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 15	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 25	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 25M	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 35	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 50	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 50M	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 75M	supported by specification
APIX Tbox Series	Apix - Tbox / CIF 100M	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 08	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 15	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
APIX Tbox Series	Apix - Tbox / VGA 25	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 25M	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 35	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 50	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 50M	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 75M	supported by specification
APIX Tbox Series	Apix - Tbox / VGA 100M	supported by specification
APIX Thermal Series	Apix - Thermal / CIF 08 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / CIF 15 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / CIF 25 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / CIF 35 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / CIF 50 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / VGA 8 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / VGA 15 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / VGA 25 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / VGA 35 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / VGA 50 (rev. B)	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x08	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x15	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x25	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x35	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x50	supported by specification
APIX Thermal Series	Apix - Thermal / VGA PTZ 30x08	supported by specification
APIX Thermal Series	Apix - Thermal / VGA PTZ 30x15	supported by specification
APIX Thermal Series	Apix - Thermal / VGA PTZ 30x25	supported by specification
APIX Thermal Series	Apix - Thermal / VGA PTZ 30x35	supported by specification
APIX Thermal Series	Apix - Thermal / VGA PTZ 30x50	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 75M	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 100M	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x75A	supported by specification
APIX Thermal Series	Apix - Thermal / CIF PTZ 30x100	supported by specification
APIX Explosion-Protected Series	Apix - Box / E4 T08-VA2.2 3610	supported by specification
APIX Explosion-Protected Series	Apix - 40Zdome / M2 T08-ExCar	supported by specification
APIX Explosion-Protected Series	Apix - 40Zdome / M2 T08-220-E	supported by specification
APIX Explosion-Protected Series	Apix - Thermal / CIF 1ExdIIBT6X	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
FLIR A-Series	A310F	supported by specification
FLIR A-Series	A310PT	supported by specification
FLIR Ariel Bullet Camera	CB-3102-01-I	supported by specification
FLIR Ariel Bullet Camera	CB-3102-11-I	supported by specification
FLIR Ariel Bullet Camera	CB-3304	supported by specification
FLIR Ariel Bullet Camera	CB-3308	supported by specification
FLIR ioi HD Bullet Camera	CB-5222-11	supported by specification
FLIR ioi HD Bullet Camera	CB-5222-21	supported by specification
FLIR ioi HD Bullet Camera	CB-5222-31	supported by specification
FLIR Quasar Bullet Camera	CB-6204-11-I	supported by specification
FLIR Quasar Bullet Camera	CB-6204-21-I	supported by specification
FLIR Quasar Bullet Camera	CB-6208-11-I	supported by specification
FLIR Quasar Bullet Camera	CB-6208-21-I	supported by specification
FLIR Ariel Corner Camera	CC-3103-01-I	supported by specification
FLIR Quasar Fixed Box Camera	CF-4221-00	supported by specification
FLIR Quasar Fixed Box Camera	CF-4251-00	supported by specification
FLIR ioi Box Camera	CF-5212	supported by specification
FLIR ioi Box Camera	CF-5222	supported by specification
FLIR Quasar Fixed Box Camera	CF-6308	supported by specification
FLIR Ariel Mini-Dome Camera	CM-3102-01-I	supported by specification
FLIR Ariel Mini-Dome Camera	CM-3102-11-I	supported by specification
FLIR Quad Mini-dome Camera	CM-3304	supported by specification
FLIR Ariel Mini-dome camera	CM-3308	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6204-11-I	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6204-21-I	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6206-H1-I	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6208-11-I	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6208-21-I	supported by specification
FLIR Quasar Hemispheric Mini-dome Camera	CM-6212	supported by specification
FLIR Quasar Panoramic Mini-dome Camera	CM-6308-P1-I	supported by specification
FLIR Quasar PTZ Camera	CP-4221-300	supported by specification
FLIR Quasar PTZ Camera	CP-4221-301	supported by specification
FLIR Quasar PTZ Camera	CP-6302-30-R	supported by specification
FLIR Quasar IR PTZ Camera	CP-6302-31-I	supported by specification
FLIR Quasar PTZ Camera	CP-6302-31-P	supported by specification
FLIR D-Series	D-313	supported by specification
FLIR D-Series	D-324	supported by specification
FLIR D-Series	D-334	supported by specification
FLIR D-Series	D-348	supported by specification
FLIR D-Series	D-618	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
FLIR D-Series	D-625	supported by specification
FLIR D-Series	D-645	supported by specification
FLIR F-Series	F-1xx	supported by specification
FLIR F-Series	F-3xx	supported by specification
FLIR F-Series	F-6xx	supported by specification
FLIR FB-Series ID	FB-309 ID	supported by specification
FLIR FB-Series O	FB-312-O	supported by specification
FLIR FC-Series ID	FC-304 ID	supported by specification
FLIR FC-Series ID	FC-304-ID	supported by specification
FLIR FC-Series O	FC-304O	supported by specification
FLIR FC-Series ID	FC-305-ID	supported by specification
FLIR FC-Series S	FC-309	supported by specification
FLIR FC-Series ID	FC-309-ID	supported by specification
FLIR FC-Series S	FC-309S	supported by specification
FLIR FC-Series S	FC-313	supported by specification
FLIR FC-Series ID	FC-317-ID	supported by specification
FLIR FC-Series S	FC-324	supported by specification
FLIR FC-Series ID	FC-324-ID	supported by specification
FLIR FC-Series R	FC-324R	supported by specification
FLIR FC-Series ID	FC-332-ID	supported by specification
FLIR FC-Series S	FC-334	supported by specification
FLIR FC-Series R	FC-334R	supported by specification
FLIR FC-Series ID	FC-344-ID	supported by specification
FLIR FC-Series S	FC-348	supported by specification
FLIR FC-Series S	FC-363	supported by specification
FLIR FC-Series ID	FC-608-ID	supported by specification
FLIR FC-Series ID	FC-610-ID	supported by specification
FLIR FC-Series ID	FC-617-ID	supported by specification
FLIR FC-Series S	FC-618	supported by specification
FLIR FC-Series S	FC-632	supported by specification
FLIR FC-Series ID	FC-632-ID	supported by specification
FLIR FC-Series R	FC-632R	supported by specification
FLIR FC-Series ID	FC-644-ID	supported by specification
FLIR FC-Series S	FC-645	supported by specification
FLIR FC-Series R	FC-645R	supported by specification
FLIR FC-Series S	FC-669	supported by specification
FLIR FC-Series S	FC-690	supported by specification
FLIR PT-Series	PT-1xx	supported by specification
FLIR PT-Series	PT-3xx	supported by specification
FLIR PT-Series	PT-6xx	supported by specification
FLIR TCX Thermal Mini Bullet Camera	T4325BN	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
FLIR TCX Thermal Mini Bullet Camera	T4325BNP	supported by specification
FLIR TCX Thermal PTZ Camera	T4325ZS	supported by specification
FLIR TCX Thermal PTZ Camera	T4325ZSP	supported by specification
FLIR TCX Thermal PTZ Camera	T4332ZU	supported by specification
FLIR TCX Thermal PTZ Camera	T4332ZUP	supported by specification
FLIR TCX Thermal Mini Bullet Camera	T4350BN	supported by specification
FLIR TCX Thermal Mini Bullet Camera	T4350BNP	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6408	supported by specification
FLIR Quasar Mini-Dome Camera	CM-6405	supported by specification
FLIR Quasar Bullet Camera	CB-6408-11-I	supported by specification
FLIR Quasar Bullet Camera	CB-6408-21-I	supported by specification
FLIR Quasar Bullet Camera	CB-6404-11-I	supported by specification
FLIR Quasar Bullet Camera	CB-6404-21-I	supported by specification
FLIR Ariel Bullet Camera	CB-3308-11-I	supported by specification
FLIR Ariel Bullet Camera	CB-3304-11-I	supported by specification
FLIR Ariel Bullet Camera	CB-3304-21-I	supported by specification
FLIR Ariel Mini-Dome Camera	CM-3308-11-I	supported by specification
FLIR Ariel Encoder	EN-216	supported by specification
FLIR Ariel Encoder	EN-204	supported by specification
FLIR FB-Series O	FB-393 O	supported by specification
FLIR FB-Series O	FB-349 O	supported by specification
FLIR FB-Series O	FB-324 O	supported by specification
FLIR FB-Series O	FB-309 O	supported by specification
FLIR FB-Series O	FB-695 O	supported by specification
FLIR FB-Series O	FB-650 O	supported by specification
FLIR FB-Series O	FB-632 O	supported by specification
FLIR FB-Series O	FB-618 O	supported by specification
FLIR FB-Series ID	FB-393 ID	supported by specification
FLIR FB-Series ID	FB-349 ID	supported by specification
FLIR FB-Series ID	FB-324 ID	supported by specification
FLIR FB-Series ID	FB-312 ID	supported by specification
FLIR FB-Series ID	FB-695 ID	supported by specification
FLIR FB-Series ID	FB-650 ID	supported by specification
FLIR FB-Series ID	FB-632 ID	supported by specification
FLIR FB-Series ID	FB-618 ID	supported by specification
FLIR FC-Series ID	FC-625 ID	supported by specification
FLIR FC-Series ID	FC-669 ID	supported by specification
FLIR FC-Series ID	FC-690 ID	supported by specification
FLIR FC-Series ID	FC-313 ID	supported by specification
FLIR FC-Series ID	FC-369 ID	supported by specification
FLIR FC-Series O	FC-305 O	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
FLIR FC-Series O	FC-309 O	supported by specification
FLIR FC-Series O	FC-313 O	supported by specification
FLIR FC-Series O	FC-317 O	supported by specification
FLIR FC-Series O	FC-324 O	supported by specification
FLIR FC-Series O	FC-332 O	supported by specification
FLIR FC-Series O	FC-344 O	supported by specification
FLIR FC-Series O	FC-396 O	supported by specification



## Content

### Integration Protocol: SUNAPI 2 (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, and MJPEG codecs

**Audio:** Microphone (up to 1 stream); G.711 and AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom/Zoom in on the selected area; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only), Recorded Tours (Call/Recording); Embedded Wiper; Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast; Basic/Digest authentication; UTP/TCP; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Status
Hanwha Vision A Series	PNB-A6xxx	supported by specification
Hanwha Vision A Series	PNB-A9xxx	supported by specification
Hanwha Vision A Series	PND-A6xxx	supported by specification
Hanwha Vision A Series	PND-A9xxx	supported by specification
Hanwha Vision A Series	PNO-A6xxx	supported by specification
Hanwha Vision A Series	PNO-Axxx	supported by specification
Hanwha Vision A Series	PNV-A9xxx	supported by specification
Hanwha Vision C Series	PNM-C12xxx	supported by specification
Hanwha Vision C Series	PNM-C7xxx	supported by specification
Hanwha Vision E Series	SND-E5xxx	supported by specification
Hanwha Vision E Series	SND-E6xxx	supported by specification
Hanwha Vision E Series	SNO-E5xxx	supported by specification
Hanwha Vision E Series	SNO-E6xxx	supported by specification
Hanwha Vision L Series	SNC-L2xxx	supported by specification
Hanwha Vision L Series	SND-L5xxx	supported by specification
Hanwha Vision L Series	SND-L6xxx	supported by specification
Hanwha Vision L Series	SNO-L5xxx	supported by specification
Hanwha Vision L Series	SNO-L6xxx	supported by specification
Hanwha Vision L Series	SNP-L5xxx	supported by specification
Hanwha Vision L Series	SNP-L6xxx	supported by specification
Hanwha Vision L Series	SNV-L5xxx	supported by specification
Hanwha Vision L Series	SNV-L6xxx	supported by specification
Hanwha Vision P Series	PND-9xxx	supported by specification
Hanwha Vision P Series	PNF-9xxx	supported by specification
Hanwha Vision P Series	PNM-7xxx	supported by specification
Hanwha Vision P Series	PNM-8xxx	supported by specification
Hanwha Vision P Series	PNM-9xxx	supported by specification
Hanwha Vision P Series	PNO-9xxx	supported by specification
Hanwha Vision P Series	PNP-9xxx	supported by specification
Hanwha Vision P Series	PNV-9xxx	supported by specification
Hanwha Vision Q Series	QNB-6xxx	supported by specification
Hanwha Vision Q Series	QNB-7xxx	supported by specification
Hanwha Vision Q Series	QNB-8xxx	supported by specification
Hanwha Vision Q Series	QND-6xxx	supported by specification
Hanwha Vision Q Series	QND-7xxx	supported by specification
Hanwha Vision Q Series	QND-8xxx	supported by specification

**Integration Protocol: SUNAPI 2** (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, and MJPEG codecs

**Audio:** Microphone (up to 1 stream); G.711 and AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom/Zoom in on the selected area; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only), Recorded Tours (Call/Recording); Embedded Wiper; Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast; Basic/Digest authentication; UTP/TCP; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Status
Hanwha Vision Q Series	QNE-6xxx	supported by specification
Hanwha Vision Q Series	QNE-7xxx	supported by specification
Hanwha Vision Q Series	QNE-8xxx	supported by specification
Hanwha Vision Q Series	QNF-8xxx	supported by specification
Hanwha Vision Q Series	QNF-9xxx	supported by specification
Hanwha Vision Q Series	QNO-6xxx	supported by specification
Hanwha Vision Q Series	QNO-7xxx	supported by specification
Hanwha Vision Q Series	QNO-8xxx	supported by specification
Hanwha Vision Q Series	QNP-6xxx	supported by specification
Hanwha Vision Q Series	QNV-6xxx	supported by specification
Hanwha Vision Q Series	QNV-7xxx	supported by specification
Hanwha Vision Q Series	QNV-8xxx	supported by specification
Hanwha Vision T Series	TNO-1xxx	supported by specification
Hanwha Vision T Series	TNV-7xxx	supported by specification
Hanwha Vision T Series	TNV-8xxx	supported by specification
Hanwha Vision X Series	XNB-6xxx	supported by specification
Hanwha Vision X Series	XNB-8xxx	supported by specification
Hanwha Vision X Series	XNB-9xxx	supported by specification
Hanwha Vision X Series	XND-6xxx	supported by specification
Hanwha Vision X Series	XND-7xxx	supported by specification
Hanwha Vision X Series	XND-8xxx	supported by specification
Hanwha Vision X Series	XND-9xxx	supported by specification
Hanwha Vision X Series	XNF-8xxx	supported by specification
Hanwha Vision X Series	XNF-9xxx	supported by specification
Hanwha Vision X Series	XNO-6xxx	supported by specification
Hanwha Vision X Series	XNO-7xxx	supported by specification
Hanwha Vision X Series	XNO-8xxx	supported by specification
Hanwha Vision X Series	XNO-9xxx	supported by specification
Hanwha Vision X Series	XNP-6xxx	supported by specification
Hanwha Vision X Series	XNP-8xxx	supported by specification
Hanwha Vision X Series	XNP-9xxx	supported by specification
Hanwha Vision X Series	XNV-6xxx	supported by specification
Hanwha Vision X Series	XNV-7xxx	supported by specification
Hanwha Vision X Series	XNV-8xxx	supported by specification
Hanwha Vision X Series	XNV-9xxx	supported by specification
Hanwha Vision X Series	XNZ-6xxx	supported by specification

**Integration Protocol: SUNAPI 2** (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, and MJPEG codecs

**Audio:** Microphone (up to 1 stream); G.711 and AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom/Zoom in on the selected area; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only), Recorded Tours (Call/Recording); Embedded Wiper; Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast; Basic/Digest authentication; UTP/TCP; HTTP/HTTPS; IPv4/IPv6

**Alternative Protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Status
Hanwha Vision WiseNet Series	LND-6xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-1xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-2xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-3xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-5xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-6xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-7xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-8xxx	supported by specification
Hanwha Vision WiseNet Series	SNB-9xxx	supported by specification
Hanwha Vision WiseNet Series	SND-1xxx	supported by specification
Hanwha Vision WiseNet Series	SND-3xxx	supported by specification
Hanwha Vision WiseNet Series	SND-5xxx	supported by specification
Hanwha Vision WiseNet Series	SND-6xxx	supported by specification
Hanwha Vision WiseNet Series	SND-7xxx	supported by specification
Hanwha Vision WiseNet Series	SNF-7xxx	supported by specification
Hanwha Vision WiseNet Series	SNF-8xxx	supported by specification
Hanwha Vision WiseNet Series	SNO-1xxx	supported by specification
Hanwha Vision WiseNet Series	SNO-5xxx	supported by specification
Hanwha Vision WiseNet Series	SNO-6xxx	supported by specification
Hanwha Vision WiseNet Series	SNO-7xxx	supported by specification
Hanwha Vision WiseNet Series	SNO-8xxx	supported by specification
Hanwha Vision WiseNet Series	SNP-3xxx	supported by specification
Hanwha Vision WiseNet Series	SNP-5xxx	supported by specification
Hanwha Vision WiseNet Series	SNP-6xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-1xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-3xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-5xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-6xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-7xxx	supported by specification
Hanwha Vision WiseNet Series	SNV-8xxx	supported by specification
Hanwha Vision WiseNet Series	SNZ-5xxx	supported by specification
Hanwha Vision WiseNet Series	SNZ-6xxx	supported by specification
Hanwha Vision WiseNet Encoder Series	SPE-xx00	supported by specification
Hanwha Vision WiseNet Encoder Series	SPE-xx01	supported by specification
Hanwha Vision WiseNet Encoder Series	SPE-xx10	supported by specification
Hanwha Vision WiseNet Encoder Series	SPE-xx20	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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- ISS recommends to do testing of particular models to required functionality before using these models in a commercial system.

Product Line	Model	Supported Firmware
Honeywell IP Dome Camera	H2D2PR1	supported by specification
Honeywell IP Micro-Dome Camera	H2S1P6	supported by specification
Honeywell IP Micro-Dome Camera	H2S1P6X	supported by specification
Honeywell IP Micro-Dome Camera	H2S2P6	supported by specification
Honeywell IP Micro-Dome Camera	H2S2P6X	supported by specification
Honeywell IP Micro-Dome Camera	H2W2PRV3	supported by specification
Honeywell IP Micro-Dome Camera	H2W4PRV3	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F1	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F1X	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F2	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F3	supported by specification
Honeywell IP Mini-Dome Camera	H3D1F3X	supported by specification
Honeywell IP Mini-Dome Camera	H3D2F1	supported by specification
Honeywell IP Mini-Dome Camera	H3D2F1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H3D2F2	supported by specification
Honeywell IP Mini-Dome Camera	H3D2S2	supported by specification
Honeywell IP Mini-Dome Camera	H3D2S2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D2SR2	supported by specification
Honeywell IP Mini-Dome Camera	H3D2SR2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D3S2	supported by specification
Honeywell IP Mini-Dome Camera	H3D3S2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D3SR2	supported by specification
Honeywell IP Mini-Dome Camera	H3D3SR2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D5S2	supported by specification
Honeywell IP Mini-Dome Camera	H3D5S2X	supported by specification
Honeywell IP Mini-Dome Camera	H3D5SR2	supported by specification
Honeywell IP Mini-Dome Camera	H3D5SR2X	supported by specification
Honeywell IP Mini-Dome Camera	H3S1P1	supported by specification
Honeywell IP Mini-Dome Camera	H3S1P1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H3SVP1	supported by specification
Honeywell IP Mini-Dome Camera	H3W1F1	supported by specification
Honeywell IP Mini-Dome Camera	H3W1F1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H4D1F1	supported by specification
Honeywell IP Mini-Dome Camera	H4D1F1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H4D1F2	supported by specification
Honeywell IP Mini-Dome Camera	H4D1F2X	supported by specification
Honeywell IP Mini-Dome Camera	H4D1F3	supported by specification
Honeywell IP Mini-Dome Camera	H4D1F3X	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Honeywell IP Mini-Dome Camera	H4D1FR1	supported by specification
Honeywell IP Mini-Dome Camera	H4D1FR1X	FW 41.1.0
Honeywell IP Mini-Dome Camera	H4D2S2	supported by specification
Honeywell IP Mini-Dome Camera	H4D2S2X	supported by specification
Honeywell IP Mini-Dome Camera	H4D3PRV2	supported by specification
Honeywell IP Mini-Dome Camera	H4D3PRV3	supported by specification
Honeywell IP Mini-Dome Camera	H4D3S2	supported by specification
Honeywell IP Mini-Dome Camera	H4D3S2X	supported by specification
Honeywell IP Mini-Dome Camera	H4D5S2	supported by specification
Honeywell IP Mini-Dome Camera	H4D5S2X	supported by specification
Honeywell IP Mini-Dome Camera	H4D8GR1	supported by specification
Honeywell IP PTZ Dome Camera	H4L6GR2	supported by specification
Honeywell IP Mini-Dome Camera	H4S1P1	supported by specification
Honeywell IP Mini-Dome Camera	H4S1P1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H4SVP1	supported by specification
Honeywell IP Mini-Dome Camera	H4W1F1	supported by specification
Honeywell IP Mini-Dome Camera	H4W1F1X	FW 40.0.6
Honeywell IP Mini-Dome Camera	H4W2PRV2	supported by specification
Honeywell IP Mini-Dome Camera	H4W4PRV2	supported by specification
Honeywell IP Mini-Dome Camera	H4W4PRV3	supported by specification
Honeywell IP Bullet Camera	HB30XD2	supported by specification
Honeywell IP Bullet Camera	HB42XD2	supported by specification
Honeywell IP Bullet Camera	HBD1PR1	supported by specification
Honeywell IP Bullet Camera	HBD1PR1	supported by specification
Honeywell IP Bullet Camera	HBD2FR1	supported by specification
Honeywell IP Bullet Camera	HBD2FR1X	FW 41.2.0
Honeywell IP Bullet Camera	HBD2FR2	supported by specification
Honeywell IP Bullet Camera	HBD2FR2X	supported by specification
Honeywell IP Bullet Camera	HBD2PR1	supported by specification
Honeywell IP Bullet Camera	HBD3PR1	supported by specification
Honeywell IP Bullet Camera	HBD3PR2	supported by specification
Honeywell IP Bullet Camera	HBD8GR1	supported by specification
Honeywell IP Bullet Camera	HBL6GR2	supported by specification
Honeywell IP Bullet Camera	HBW2PR1	supported by specification
Honeywell IP Bullet Camera	HBW2PR1	supported by specification
Honeywell IP Bullet Camera	HBW2PR1	supported by specification
Honeywell IP Bullet Camera	HBW2PR2	supported by specification
Honeywell IP Bullet Camera	HBW4PR1	supported by specification
Honeywell IP Bullet Camera	HBW4PR1	supported by specification
Honeywell IP Bullet Camera	HBW4PR1	supported by specification
Honeywell IP Bullet Camera	HBW4PR2	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Honeywell IP Box Camera	HCD1F	supported by specification
Honeywell IP Box Camera	HCD1FX	FW 40.0.6
Honeywell IP Box Camera	HCD2F	supported by specification
Honeywell IP Box Camera	HCD2FX	FW 40.0.6
Honeywell IP Box Camera	HCD3S2	supported by specification
Honeywell IP Box Camera	HCD3S2X	supported by specification
Honeywell IP Box Camera	HCD5S2	supported by specification
Honeywell IP Box Camera	HCD5S2X	supported by specification
Honeywell IP Box Camera	HCD8G	supported by specification
Honeywell IP Box Camera	HCW1F	supported by specification
Honeywell IP Box Camera	HCW1FX	supported by specification
Honeywell IP Box Camera	HCW2S2	supported by specification
Honeywell IP Box Camera	HCW2S2X	supported by specification
Honeywell IP Mini-Dome Camera	HD40H	supported by specification
Honeywell IP Dome Camera	HD42XD2	supported by specification
Honeywell IP PTZ Dome Camera	HDZ20HDX	FW H2012080NSA
Honeywell IP PTZ Dome Camera	HDZ22HD	supported by specification
Honeywell IP PTZ Dome Camera	HDZ22HDE	supported by specification
Honeywell IP PTZ Dome Camera	HDZ22HDEX	supported by specification
Honeywell IP PTZ Dome Camera	HDZ22HDIN	supported by specification
Honeywell IP PTZ Dome Camera	HDZ22HDX	supported by specification
Honeywell IP PTZ Dome Camera	HDZ30	supported by specification
Honeywell IP PTZ Dome Camera	HDZ302D	supported by specification
Honeywell IP PTZ Dome Camera	HDZ302DE	supported by specification
Honeywell IP PTZ Dome Camera	HDZ302DIN	supported by specification
Honeywell IP PTZ Dome Camera	HDZ302LIK	supported by specification
Honeywell IP PTZ Dome Camera	HDZ302LIW	supported by specification
Honeywell IP PTZ Dome Camera	HDZ30HD	supported by specification
Honeywell IP PTZ Dome Camera	HDZ30HDE	supported by specification
Honeywell IP PTZ Dome Camera	HDZ30HDIN	supported by specification
Honeywell IP PTZ Dome Camera	HDZ30IN	supported by specification
Honeywell IP PTZ Dome Camera	HDZ36E	supported by specification
Honeywell IP PTZ Dome Camera	HDZP252DI	supported by specification
Honeywell IP PTZ Dome Camera	HDZP304DI	supported by specification
Honeywell IP PTZ Dome Camera	HDZP30XDP4	supported by specification
Honeywell IP Ball Camera	HE30XD2	supported by specification
Honeywell IP Ball Camera	HE30XD2G	supported by specification
Honeywell IP Ball Camera	HE42XD2	supported by specification
Honeywell IP Ball Camera	HE42XD2G	supported by specification
Honeywell IP Ball Camera	HED1PR3	supported by specification
Honeywell IP Ball Camera	HED3PR3	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Honeywell IP PTZ Dome Camera	HEPZ302W0	supported by specification
Honeywell IP Ball Camera	HEW2PR1	supported by specification
Honeywell IP Ball Camera	HEW2PR2	supported by specification
Honeywell IP Ball Camera	HEW2PRW1	supported by specification
Honeywell IP Ball Camera	HEW2PRW2	supported by specification
Honeywell IP Ball Camera	HEW4PR2	supported by specification
Honeywell IP Ball Camera	HEW4PR3	supported by specification
Honeywell IP Ball Camera	HEW4PRW2	supported by specification
Honeywell IP Ball Camera	HEW4PRW3	supported by specification
Honeywell IP Dome Camera	HM4L8GR1	supported by specification
Honeywell IP Bullet Camera	HMBL8GR1	supported by specification
Honeywell IP Height Strip Camera	HSW2G1	supported by specification
Honeywell IP PTZ Camera	HDZP252DI	supported by specification
Honeywell IP PTZ Camera	HDZP304DI	supported by specification
Honeywell IP Dome Camera	HEW4PER2	supported by specification
Honeywell IP Dome Camera	HEW4PER2B	supported by specification
Honeywell IP Dome Camera	HEW2PER2	supported by specification
Honeywell IP Dome Camera	HEW4PER3	supported by specification
Honeywell IP Dome Camera	HEW4PER3B	supported by specification
Honeywell IP Dome Camera	HED2PER3	supported by specification
Honeywell IP Dome Camera	HEW2PER3	supported by specification
Honeywell IP Panoram Camera	HFD5PR1	supported by specification
Honeywell IP Compact Camera	H2W2PER3	supported by specification
Honeywell IP Compact Camera	H2W4PER3	supported by specification
Honeywell IP Dome Camera	H4W8PR2	supported by specification
Honeywell IP Dome Camera	H4W4PER2	supported by specification
Honeywell IP Dome Camera	H4W4PER3	supported by specification
Honeywell IP Dome Camera	H4W2PER2	supported by specification
Honeywell IP Bullet Camera	HBW8PR2	supported by specification
Honeywell IP Bullet Camera	HBD2PER1	supported by specification
Honeywell IP Bullet Camera	HBW2PER1	supported by specification
Honeywell IP Bullet Camera	HBW2PER2	supported by specification
Honeywell IP Bullet Camera	HBW4PER1	supported by specification
Honeywell IP Bullet Camera	HBW4PER2	supported by specification

[Content](#)

**Integration Protocol: RTSP** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Network:** Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Honeywell IP Box Camera	HCD554IP	supported by specification
Honeywell IP Box Camera	HCD5HIH	supported by specification
Honeywell IP Box Camera	HCD5HIHX	supported by specification
Honeywell IP Box Camera	HCD5MIH	supported by specification
Honeywell IP Box Camera	HCD5MIHX	supported by specification
Honeywell IP Box Camera	HCD5WIH	supported by specification
Honeywell IP Box Camera	HCD5WIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD3HDIH	supported by specification
Honeywell IP Mini-Dome Camera	HD3HDIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIH	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIH01	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIH01X	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIH02	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIH02X	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIP	supported by specification
Honeywell IP Mini-Dome Camera	HD3MDIPX	supported by specification
Honeywell IP Mini-Dome Camera	HD3MWIH	supported by specification
Honeywell IP Mini-Dome Camera	HD3MWIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD44IP	supported by specification
Honeywell IP Mini-Dome Camera	HD45IP	supported by specification
Honeywell IP Mini-Dome Camera	HD4DIP	supported by specification
Honeywell IP Mini-Dome Camera	HD4DIPX	supported by specification
Honeywell IP Mini-Dome Camera	HD4HDIH	supported by specification
Honeywell IP Mini-Dome Camera	HD4HDIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIH	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIH01	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIH01X	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIH02	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIH02X	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIP	supported by specification
Honeywell IP Mini-Dome Camera	HD4MDIPX	supported by specification
Honeywell IP Mini-Dome Camera	HD4MWIH	supported by specification
Honeywell IP Mini-Dome Camera	HD4MWIHX	supported by specification
Honeywell IP Mini-Dome Camera	HD54IP	supported by specification
Honeywell IP Mini-Dome Camera	HD55IP	supported by specification
Honeywell IP Mini-Dome Camera	HD55IPX	supported by specification



## Content

### Integration Protocol: ISAPI (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); Speaker (audio-out); G.711, MP2L2, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Unicast; Basic or Digest access authentication; HTTP; IPv4/IPv6

**Alternative protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Status
Hikvision 1 Series	DS-2CD1xxx-xx	ver.5.5.93
Hikvision 1 Series	DS-2CE1xxx-xx	supported by specification
Hikvision 1 Series	DS-2DE1xxx-xx	ver.5.6.0
Hikvision 1 Series	DS-2DF1xxx-xx	supported by specification
Hikvision 2 Series	DS-2CD2xxx-xx	supported by specification
Hikvision 2 Series	DS-2DE2xxx-xx	supported by specification
Hikvision 3 Series	DS-2CD3xxx-xx	supported by specification
Hikvision 3 Series	DS-2DE3xxx-xx	supported by specification
Hikvision 3 Series	DS-2DY3xxx-xx	supported by specification
Hikvision 4 Series	DS-2CD4xxx-xx	ver.5.5.83
Hikvision 4 Series	DS-2DE4xxx-xx	ver.5.4.71
Hikvision 5 Series	DS-2CD5xxx-xx	ver.5.6.0
Hikvision 5 Series	DS-2CE5xxx-xx	supported by specification
Hikvision 5 Series	DS-2DE5xxx-xx	supported by specification
Hikvision 5 Series	DS-2DF5xxx-xx	supported by specification
Hikvision 5 Series	DS-2DY5xxx-xx	supported by specification
Hikvision 6 Series	DS-2CD6xxx-xx	ver.5.5.83
Hikvision 6 Series	DS-2DE6xxx-xx	supported by specification
Hikvision 6 Series	DS-2DF6xxx-xx	supported by specification
Hikvision 6 Series	DS-2XC6xxx-xx	supported by specification
Hikvision 6 Series	DS-2XE6xxx-xx	supported by specification
Hikvision 6 Series	DS-2XM6xxx-xx	ver.5.5.83
Hikvision 7 Series	DS-2CD7xxx-xx	ver.5.6.0
Hikvision 7 Series	DS-2CE7xxx-xx	supported by specification
Hikvision 7 Series	DS-2DE7xxx-xx	supported by specification
Hikvision 7 Series	DS-2DF7xxx-xx	supported by specification
Hikvision 7 Series	DS-2DY7xxx-xx	supported by specification
Hikvision 8 Series	DS-2CD8xxx-xx	ver.5.5.64
Hikvision 8 Series	DS-2DF8xxx-xx	supported by specification
Hikvision 9 Series	DS-2DF9xxx-xx	supported by specification
Hikvision 9 Series	DS-2DY9xxx-xx	ver.5.5.2
Hikvision Intercom 3 Series	DS-KD3xxx-xx	supported by specification
Hikvision Intercom 8 Series	DS-KD8xxx-xx	supported by specification
Hikvision Intercom 9 Series	DS-KD9xxx-xx	supported by specification
Hikvision PanoVu Series	DS-2DPxxx-D-xx	ver.5.3.19
Hikvision PanoVu Series	DS-2PT3xxx-xx	ver.5.4.12
Hikvision PanoVu Series	DS-2PT5xxx-xx	ver.5.4.12

**Integration Protocol: ISAPI** (a native protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); Speaker (audio-out); G.711, MP2L2, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Unicast; Basic or Digest access authentication; HTTP; IPv4/IPv6

**Alternative protocols: ONVIF, RTSP** (might support less features than preferred integration protocol).

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Product Line	Model	Status
Hikvision Smart 2 Series	iDS-TCM2xx-xxx	supported by specification
Hikvision Smart 6 Series	iDS-2CD6xxx-xx	supported by specification
Hikvision Smart 7 Series	iDS-2CD7xxx-xx	supported by specification
Hikvision Smart 8 Series	iDS-2CD8xxx-xx	supported by specification
Hikvision Thermal 1 Series	DS-2TD1xxx-xx	ver.5.5.16
Hikvision Thermal 2 Series	DS-2TD2xxx-xx	ver.5.5.16
Hikvision Thermal 4 Series	DS-2TD4xxx-xx	ver.5.5.12
Hikvision Thermal 6 Series	DS-2TD6xxx-xx	supported by specification
Hikvision Thermal 8 Series	DS-2TD8xxx-xx	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Huawei SDC C Series	C1220	supported by specification
Huawei SDC C Series	C2120	supported by specification
Huawei SDC C Series	C2121	supported by specification
Huawei SDC C Series	C2140	supported by specification
Huawei SDC C Series	C2141	supported by specification
Huawei SDC C Series	C2150	supported by specification
Huawei SDC C Series	C2181	supported by specification
Huawei SDC C Series	C3020	supported by specification
Huawei SDC C Series	C3040	supported by specification
Huawei SDC C Series	C3050	supported by specification
Huawei SDC C Series	C3220	supported by specification
Huawei SDC C Series	C3221	supported by specification
Huawei SDC C Series	C3250	supported by specification
Huawei SDC C Series	C6620	supported by specification
Huawei SDC C Series	C6650	supported by specification
Huawei SDC D Series	D2020	supported by specification
Huawei SDC D Series	D2050	supported by specification
Huawei SDC D Series	D2120	supported by specification
Huawei SDC D Series	D2150	supported by specification
Huawei SDC D Series	D3020	supported by specification
Huawei SDC D Series	D3050	supported by specification
Huawei SDC D Series	D3220	supported by specification
Huawei SDC D Series	D3250	supported by specification
Huawei SDC M Series	M1220	supported by specification
Huawei SDC M Series	M1221	supported by specification
Huawei SDC M Series	M1241	supported by specification
Huawei SDC M Series	M1281	supported by specification
Huawei SDC M Series	M2120	supported by specification
Huawei SDC M Series	M2121	supported by specification
Huawei SDC M Series	M2122	supported by specification
Huawei SDC M Series	M2140	supported by specification
Huawei SDC M Series	M2141	supported by specification
Huawei SDC M Series	M2150	supported by specification
Huawei SDC M Series	M2220	supported by specification
Huawei SDC M Series	M2221	supported by specification
Huawei SDC M Series	M2241	supported by specification
Huawei SDC M Series	M2260	supported by specification
Huawei SDC M Series	M2280	supported by specification
Huawei SDC M Series	M2281	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Huawei SDC M Series	M2331	supported by specification
Huawei SDC M Series	M2391	supported by specification
Huawei SDC M Series	M3220	supported by specification
Huawei SDC M Series	M3221	supported by specification
Huawei SDC M Series	M3241	supported by specification
Huawei SDC M Series	M3250	supported by specification
Huawei SDC M Series	M6620	supported by specification
Huawei SDC M Series	M6681	supported by specification
Huawei SDC M Series	M6721	supported by specification
Huawei SDC M Series	M6741	supported by specification
Huawei SDC M Series	M6781	supported by specification
Huawei SDC M Series	M7341	supported by specification
Huawei SDC M Series	M7641	supported by specification
Huawei SDC M Series	M8542	supported by specification
Huawei SDC M Series	M8544	supported by specification
Huawei SDC M Series	M9341	supported by specification
Huawei SDC X Series	X1221	supported by specification
Huawei SDC X Series	X1281	supported by specification
Huawei SDC X Series	X2221	supported by specification
Huawei SDC X Series	X2222	supported by specification
Huawei SDC X Series	X2241	supported by specification
Huawei SDC X Series	X2281	supported by specification
Huawei SDC X Series	X2331	supported by specification
Huawei SDC X Series	X2391	supported by specification
Huawei SDC X Series	X3221	supported by specification
Huawei SDC X Series	X6621	supported by specification
Huawei SDC X Series	X6721	supported by specification
Huawei SDC X Series	X6781	supported by specification
Huawei SDC X Series	X6921	supported by specification
Huawei SDC X Series	X6981	supported by specification
Huawei SDC X Series	X7341	supported by specification
Huawei SDC X Series	X8341	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
IDIS 1000 Series	DC-B1xxxx	supported by specification
IDIS 1000 Series	DC-D1xxxx	supported by specification
IDIS 1000 Series	DC-E1xxxx	supported by specification
IDIS 1000 Series	DC-F1xxxx	supported by specification
IDIS 1000 Series	DC-S1xxxx	supported by specification
IDIS 1000 Series	DC-T1xxxx	supported by specification
IDIS 1000 Series	DC-Y1xxxx	supported by specification
IDIS 1000 Series	DC-Z1xxxx	supported by specification
IDIS 2000 Series	DC-D2xxxx	supported by specification
IDIS 3000 Series	DC-B3xxxx	supported by specification
IDIS 3000 Series	DC-D3xxxx	supported by specification
IDIS 3000 Series	DC-E3xxxx	supported by specification
IDIS 3000 Series	DC-S3xxxx	supported by specification
IDIS 3000 Series	DC-T3xxxx	supported by specification
IDIS 3000 Series	DC-V3xxxx	supported by specification
IDIS 3000 Series	DC-Y3xxxx	supported by specification
IDIS 4000 Series	DC-B4xxxx	supported by specification
IDIS 4000 Series	DC-D4xxxx	supported by specification
IDIS 4000 Series	DC-E4xxxx	supported by specification
IDIS 4000 Series	DC-M4xxxx	supported by specification
IDIS 4000 Series	DC-T4xxxx	supported by specification
IDIS 4000 Series	DC-V4xxxx	supported by specification
IDIS 6000 Series	DC-B6xxxx	supported by specification
IDIS 6000 Series	DC-D6xxxx	supported by specification
IDIS 6000 Series	DC-S6xxxx	supported by specification
IDIS 6000 Series	DC-T6xxxx	supported by specification
IDIS 6000 Series	DC-Y6xxxx	supported by specification
IDIS 8000 Series	DC-Y8xxxx	supported by specification

## Content

### Integration Protocol: RTSP (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**Network:** Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
IQinVision Fixed Box Camera	IQ030SI	supported by specification
IQinVision Fixed Box Camera	IQ031SI	supported by specification
IQinVision Fixed Box Camera	IQ032SI	supported by specification
IQinVision Fixed Box Camera	IQ761NI	supported by specification
IQinVision Fixed Box Camera	IQ761WI	supported by specification
IQinVision Fixed Box Camera	IQ762NI	supported by specification
IQinVision Fixed Box Camera	IQ762WI	supported by specification
IQinVision Fixed Box Camera	IQ763NI	supported by specification
IQinVision Fixed Box Camera	IQ763WI	supported by specification
IQinVision Fixed Box Camera	IQ765NI	supported by specification
IQinVision Fixed Bullet Camera	IQ861NE	supported by specification
IQinVision Fixed Bullet Camera	IQ861WE	supported by specification
IQinVision Fixed Bullet Camera	IQ862NE	supported by specification
IQinVision Fixed Bullet Camera	IQ862WE	supported by specification
IQinVision Fixed Bullet Camera	IQ863NE	supported by specification
IQinVision Fixed Bullet Camera	IQ863WE	supported by specification
IQinVision Fixed Bullet Camera	IQ865NE	supported by specification
IQinVision Fixed Dome Camera	IQA30N	supported by specification
IQinVision Fixed Dome Camera	IQA31N	supported by specification
IQinVision Fixed Dome Camera	IQA31W	supported by specification
IQinVision Fixed Dome Camera	IQA32N	supported by specification
IQinVision Fixed Dome Camera	IQA32W	supported by specification
IQinVision Fixed Dome Camera	IQA33N	ver. 3. 3/8
IQinVision Fixed Dome Camera	IQA33W	supported by specification
IQinVision Fixed Dome Camera	IQA35N	supported by specification
IQinVision Fixed Dome Camera	IQD30SV	supported by specification
IQinVision Fixed Dome Camera	IQD31SV	supported by specification
IQinVision Fixed Dome Camera	IQD32SV	supported by specification
IQinVision Fixed Dome Camera	IQM30NE-B5	supported by specification
IQinVision Fixed Dome Camera	IQM31NE-B5	supported by specification
IQinVision Fixed Dome Camera	IQM32NE-B5	ver. 3. 4/2

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Mobotix MOVE Bullet Camera	BC-2-IR	supported by specification
Mobotix MOVE Bullet Camera	BC-4-IR-D	supported by specification
Mobotix Indoor 360° Camera	MX-c26A	supported by specification
Mobotix Indoor 360° Camera	MX-c26B	supported by specification
Mobotix DualDome Camera	MX-D16A	supported by specification
Mobotix DualDome Camera	MX-D16B	supported by specification
Mobotix Dome Camera	MX-D26A	supported by specification
Mobotix Dome Camera	MX-D26B	supported by specification
Mobotix Indoor 180° Camera	MX-i26A	supported by specification
Mobotix Indoor 180° Camera	MX-i26B	supported by specification
Mobotix AllroundDual Camera	MX-M16A	supported by specification
Mobotix AllroundDual Camera	MX-M16B	supported by specification
Mobotix Thermal Camera	MX-M16B TR	supported by specification
Mobotix Allround Camera	MX-M73	supported by specification
Mobotix Indoor PT Camera	MX-p26A	supported by specification
Mobotix Indoor PT Camera	MX-p26B	supported by specification
Mobotix DualFlex Camera	MX-S16A	supported by specification
Mobotix DualFlex Camera	MX-S16B	supported by specification
Mobotix Flex Camera	MX-S26A	supported by specification
Mobotix Flex Camera	MX-S26B	supported by specification
Mobotix Door Station Camera	MX-T26B	supported by specification
Mobotix Vandalism Camera	MX-V16A	supported by specification
Mobotix Vandalism Camera	MX-V16B	supported by specification
Mobotix Indoor Dome Camera	MX-v26A	supported by specification
Mobotix Indoor Dome Camera	MX-v26B	supported by specification
Mobotix MOVE Dome PTZ Camera	SD-340-IR	supported by specification
Mobotix MOVE Vandal Bullet Camera	VB-4-IR	supported by specification
Mobotix MOVE Vandal Bullet Camera	VB-4-IR-D	supported by specification
Mobotix MOVE Vandal Dome Camera	VD-2-IR	supported by specification
Mobotix MOVE Vandal Dome Camera	VD-4-IR	supported by specification
Mobotix MOVE Vandal Dome Camera	VD-4-IR-D	supported by specification

## Content

### Integration Protocol: CGI (native protocol)

**Video:** Multistreaming (up to 3 streams); H.264, MxPEG, MJPEG codecs;

**Audio:** Microphone (audio-in); G.711 codec;

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Mobotix Hemispheric c25 Camera	MX-c25	ver.4.3.4.50
Mobotix DualDome D10 Camera	MX-D10	ver.2.2.3.24
Mobotix DualDome D12 Camera	MX-D12	ver.3.5.5.10
Mobotix DualDome D14 Camera	MX-D14	ver.4.3.2.77
Mobotix DualDome D15 Camera	MX-D15	ver.4.3.2.77
Mobotix DualDome D16 Camera	MX-D16	supported by specification
Mobotix Dome D22 Camera	MX-D22	ver.3.5.5.10
Mobotix Dome D24 Camera	MX-D24	ver.4.3.2.77
Mobotix Dome D25 Camera	MX-D25	ver.4.3.4.50
Mobotix Dome D26 Camera	MX-D26	supported by specification
Mobotix Hemispheric i24 Camera	MX-i24	supported by specification
Mobotix Hemispheric i25 Camera	MX-i25	ver.4.3.4.50
Mobotix AllroundDual M10 Camera	MX-M10	ver.2.2.3.24
Mobotix AllroundDual M12 Camera	MX-M12	ver.3.5.5.10
Mobotix AllroundDual M15 Camera	MX-M15	ver.4.3.2.77
Mobotix AllroundDual M16 Camera	MX-M16	supported by specification
Mobotix Allround M22 Camera	MX-M22	ver.3.5.5.10
Mobotix Allround M24 Camera	MX-M24	ver.4.3.2.77
Mobotix Allround M25 Camera	MX-M25	ver.4.3.4.50
Mobotix Allround M26 Camera	MX-M26	supported by specification
Mobotix p25 Camera	MX-p25	ver.4.3.4.50
Mobotix Hemispheric Q24 Camera	MX-Q22	ver.3.5.5.10
Mobotix Hemispheric Q24 Camera	MX-Q24	ver.4.3.2.77
Mobotix Hemispheric Q25 Camera	MX-Q25	ver.4.3.4.50
Mobotix Hemispheric Q26 Camera	MX-Q26	supported by specification
Mobotix FlexMount S14 Thermal Camera	MX-S14	ver.4.3.2.77
Mobotix FlexMount S15 Thermal Camera	MX-S15	ver.4.3.2.77
Mobotix FlexMount S15M Camera	MX-S15M	supported by specification
Mobotix FlexMount S16 Camera	MX-S16	supported by specification
Mobotix FlexMount S26 Camera	MX-S26	supported by specification
Mobotix IP Video Door Station T24 Camera	MX-T24	ver.4.3.2.77
Mobotix IP Video Door Station T25 Camera	MX-T25	ver.4.3.4.50
Mobotix Vandalism V10 Camera	MX-V10	ver.2.2.3.24
Mobotix Vandalism V12 Camera	MX-V12	ver.3.5.5.10
Mobotix Vandalism V14 Camera	MX-V14	ver.4.3.2.77
Mobotix Vandalism V15 Camera	MX-V15	ver.4.3.2.77
Mobotix Vandalism V16 Camera	MX-V16	supported by specification
Mobotix Indoor Dome V25 Camera	MX-V25	supported by specification
Mobotix Thermal M15 Camera	MX-M15D	supported by specification



## [Content](#)

### Integration Protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.264, MJPEG codecs; dewarping

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** ePTZ, Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; UDP/TCP; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Evolution 05 360° camera series	EVO-05-xxx	supported by specification
Evolution 12 360° camera series	EVO-12-xxx	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

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Product Line	Model	Status
Panasonic AI 5M fisheye camera	WV-S4556LJ	supported by specification
Panasonic Camera Line-up	BB-HNP17	supported by specification
Panasonic Camera Line-up	BL-C101	supported by specification
Panasonic Camera Line-up	BL-C121	supported by specification
Panasonic Camera Line-up	BL-C140	supported by specification
Panasonic Camera Line-up	BL-C160	supported by specification
Panasonic Camera Line-up	BL-C210	supported by specification
Panasonic Camera Line-up	BL-C230	supported by specification
Panasonic Camera Line-up	BL-VP101	ver.2.10
Panasonic Camera Line-up	BL-VP104	ver.2.10
Panasonic Camera Line-up	BL-VP104W	ver.2.10
Panasonic Camera Line-up	BL-VT164	ver.2.10
Panasonic Camera Line-up	BL-VT164W	ver.2.10
Panasonic Network Video Interface	WJ-GXE100	ver.2.10
Panasonic Network Video Interface	WJ-GXE500	ver.2.10
Panasonic Fixed Dome Network Camera	WV-NF284	supported by specification
Panasonic Fixed Dome Network Camera	WV-NF302	supported by specification
Panasonic Fixed Network Camera	WV-NP1000	ver.1.21
Panasonic Fixed Network Camera	WV-NP1004	ver.1.21
Panasonic Fixed Network Camera	WV-NP240	ver.1.25
Panasonic Fixed Network Camera	WV-NP244	ver.1.25
Panasonic Fixed Network Camera	WV-NP304	supported by specification
Panasonic Fixed Network Camera	WV-NP502	ver.2.15
Panasonic PTZ Dome Network Camera	WV-NS202A	ver.1.10
Panasonic PTZ Dome Network Camera	WV-NS950	ver.1.06
Panasonic PTZ Dome Network Camera	WV-NS954	ver.1.06
Panasonic Fixed Dome Network Camera	WV-NW484	ver.1.11
Panasonic Fixed Dome Network Camera	WV-NW484S	ver.1.11
Panasonic Fixed Dome Network Camera	WV-NW502S	ver.2.15
Panasonic PTZ Dome Network Camera	WV-NW960	ver.1.06
Panasonic PTZ Dome Network Camera	WV-NW964	ver.1.06
Panasonic Fixed Network Camera	WV-S1111	supported by specification
Panasonic Fixed Network Camera	WV-S1112	supported by specification
Panasonic Fixed Network Camera	WV-S1131	supported by specification
Panasonic Fixed Network Camera	WV-S1132	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1136	supported by specification
Panasonic Fixed Network Camera	WV-S1510	supported by specification
Panasonic Fixed Network Camera	WV-S1511LDN	supported by specification
Panasonic Fixed Network Camera	WV-S1511LN	supported by specification
Panasonic Fixed Network Camera	WV-S1511LNJ	supported by specification
Panasonic Fixed Network Camera	WV-S1531LN	supported by specification
Panasonic Fixed Network Camera	WV-S1531LTN	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1536L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1536L-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1536LBUX	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Status
Panasonic AI FHD Box/Dome Camera	WV-S1536LN	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1536LN-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S1536LTN	supported by specification
Panasonic Fixed Network Camera	WV-S1550L	supported by specification
Panasonic Fixed Network Camera	WV-S1550LNJ	supported by specification
Panasonic Fixed Network Camera	WV-S1552L	supported by specification
Panasonic Fixed Network Camera	WV-S1570L	supported by specification
Panasonic Fixed Network Camera	WV-S1570LNJ	supported by specification
Panasonic Fixed Network Camera	WV-S1572L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2110	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2110J	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2110RJ	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2111L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2111LD	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2130	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2130RJ	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2131	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2131L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136G	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136G-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136L-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136LBUX	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136LG	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2136LG-B	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2211L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2231L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2236L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2236L-B	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2236LG	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2236LG-B	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2250L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2252L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2270L	ver. 4.23
Panasonic Fixed Dome Network Camera	WV-S2272L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2511LN	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2531LN	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2531LTN	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2536L	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2536LG	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2536LGN	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2536LN	supported by specification
Panasonic AI FHD Box/Dome Camera	WV-S2536LTN	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2550L	ver. 4.23

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

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Product Line	Model	Status
Panasonic Fixed Dome Network Camera	WV-S2550LNJ	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2552L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2570L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2570LNJ	supported by specification
Panasonic Fixed Dome Network Camera	WV-S2572L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3110J	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3111L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3130J	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3131L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3510J	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3511L	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3512LM	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3530J	supported by specification
Panasonic Fixed Dome Network Camera	WV-S3531L	supported by specification ver. 4.23
Panasonic Fixed Dome Network Camera	WV-S3532LM	supported by specification
Panasonic Fisheye Camera	WV-S4150	supported by specification
Panasonic Fisheye Camera	WV-S4151	supported by specification
Panasonic Fisheye Camera	WV-S4151L	supported by specification
Panasonic AI 5M fisheye camera	WV-S4156	supported by specification
Panasonic AI 5M fisheye camera	WV-S4156J	supported by specification
Panasonic AI 9M fisheye camera	WV-S4176	supported by specification
Panasonic AI 9M fisheye camera	WV-S4176J	supported by specification
Panasonic Fisheye Camera	WV-S4550L	supported by specification
Panasonic Fisheye Camera	WV-S4550LM	supported by specification
Panasonic Fisheye Camera	WV-S4551LM	supported by specification
Panasonic AI 5M fisheye camera	WV-S4556LM	supported by specification
Panasonic AI 9M fisheye camera	WV-S4576LJ	supported by specification
Panasonic AI 9M fisheye camera	WV-S4576LM	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6110	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6111	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6130	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6131	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6530N	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6530NJ	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6530NS	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6532LN	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6532LN	supported by specification
Panasonic PTZ Dome Network Camera	WV-S6532LNJ	supported by specification
Panasonic Panoramic Camera	WV-S8530N	supported by specification
Panasonic Fixed Dome Network Camera	WV-SBV111M	supported by specification
Panasonic Fixed Dome Network Camera	WV-SBV131M	supported by specification
Panasonic PTZ Dome Network Camera	WV-SC384	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SC385	ver.2.10

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Product Line	Model	Status
Panasonic PTZ Dome Network Camera	WV-SC386	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SC387	ver.1.70
Panasonic PTZ Dome Network Camera	WV-SC387A	supported by specification
Panasonic PTZ Dome Network Camera	WV-SC588	ver.1.60
Panasonic PTZ Dome Network Camera	WV-SC588A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SF132	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SF135	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SF138	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SF332	ver.2.10
Panasonic Fixed Dome Network Camera	WV-SF335	ver.2.10
Panasonic Fixed Dome Network Camera	WV-SF336	ver.2.10
Panasonic Fixed Dome Network Camera	WV-SF342	ver.2.10
Panasonic Fixed Dome Network Camera	WV-SF346	ver.2.10
Panasonic 360-degree Network Camera	WV-SF438	ver.1.60
Panasonic 360-degree Network Camera	WV-SF448	ver.1.60
Panasonic 360-degree Network Camera	WV-SF448E	supported by specification
Panasonic Fixed Dome Network Camera	WV-SF538	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SF539	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SF548	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SF549	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SFN110	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFN130	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFN310	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFN310A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFN311	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFN311A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFN311L	ver.1.55
Panasonic 360-degree Network Camera	WV-SFN480	ver.1.11
Panasonic Fixed Dome Network Camera	WV-SFN531	ver.1.85
Panasonic Fixed Dome Network Camera	WV-SFN611L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFN631L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFR310	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFR310A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFR311	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFR311A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFR531	ver.1.85
Panasonic Fixed Dome Network Camera	WV-SFR611L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFR631L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV110	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFV110M	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFV130	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Status
Panasonic Fixed Dome Network Camera	WV-SFV130M	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFV310	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV310A	supported by specification
Panasonic Fixed Dome Network Camera	WV-SFV311	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV311A	supported by specification
Panasonic 360-degree Network Camera	WV-SFV481	ver.1.11
Panasonic Fixed Dome Network Camera	WV-SFV531	ver.1.85
Panasonic Fixed Dome Network Camera	WV-SFV611L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV631L	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV631LT	ver.1.55
Panasonic Fixed Dome Network Camera	WV-SFV781L	supported by specification
Panasonic Fixed Network Camera	WV-SP102	ver.2.10
Panasonic Fixed Network Camera	WV-SP105	ver.2.10
Panasonic Fixed Network Camera	WV-SP302	ver.2.10
Panasonic Fixed Network Camera	WV-SP305	ver.2.10
Panasonic Fixed Network Camera	WV-SP306	ver.2.10
Panasonic Fixed Network Camera	WV-SP508	ver.1.60
Panasonic Fixed Network Camera	WV-SP509	ver.1.60
Panasonic Fixed Network Camera	WV-SPN310	ver.1.55
Panasonic Fixed Network Camera	WV-SPN310A	supported by specification
Panasonic Fixed Network Camera	WV-SPN311	ver.1.55
Panasonic Fixed Network Camera	WV-SPN311A	supported by specification
Panasonic Fixed Network Camera	WV-SPN531	ver.1.60
Panasonic Fixed Network Camera	WV-SPN531A	supported by specification
Panasonic Fixed Network Camera	WV-SPN611	ver.1.55
Panasonic Fixed Network Camera	WV-SPN631	ver.1.55
Panasonic Fixed Network Camera	WV-SPV781L	supported by specification
Panasonic Fixed Network Camera	WV-SPW311AL	supported by specification
Panasonic Fixed Network Camera	WV-SPW312L	supported by specification
Panasonic Fixed Network Camera	WV-SPW531AL	supported by specification
Panasonic Fixed Network Camera	WV-SPW532L	supported by specification
Panasonic Fixed Network Camera	WV-SPW611	ver.1.55
Panasonic Fixed Network Camera	WV-SPW611L	ver.1.55
Panasonic Fixed Network Camera	WV-SPW631L	ver.1.55
Panasonic Fixed Network Camera	WV-SPW631LT	ver.1.55
Panasonic Pan/tilt Network Camera	WV-ST162	ver.2.10
Panasonic Pan/tilt Network Camera	WV-ST165	ver.2.10
Panasonic PTZ Network Camera	WV-SUD638	supported by specification
Panasonic Fixed Dome Network Camera	WV-SW115	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW152	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW152M	ver.2.11

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Product Line	Model	Status
Panasonic Fixed Dome Network Camera	WV-SW155	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW155M	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW155MA	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW158	ver.1.60
Panasonic Pan/tilt Network Camera	WV-SW172	ver.2.10
Panasonic Pan/tilt Network Camera	WV-SW174W	ver.2.10
Panasonic Pan/tilt Network Camera	WV-SW175	ver.2.10
Panasonic Fixed Network Camera	WV-SW314	ver.2.11
Panasonic Fixed Network Camera	WV-SW316	ver.2.11
Panasonic Fixed Network Camera	WV-SW316L	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW352	ver.2.11
Panasonic Fixed Dome Network Camera	WV-SW355	ver.2.11
Panasonic PTZ Dome Network Camera	WV-SW395	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SW395A	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SW396	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SW396A	ver.2.10
Panasonic PTZ Dome Network Camera	WV-SW397	ver.1.70
Panasonic PTZ Dome Network Camera	WV-SW397A	ver.1.70
Panasonic PTZ Dome Network Camera	WV-SW397B	supported by specification
Panasonic 360-degree Network Camera	WV-SW458	ver.1.60
Panasonic 360-degree Network Camera	WV-SW458MA	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SW558	ver.1.60
Panasonic Fixed Dome Network Camera	WV-SW559	ver.1.60
Panasonic PTZ Dome Network Camera	WV-SW598	ver.1.60
Panasonic PTZ Dome Network Camera	WV-SW598A	supported by specification
Panasonic Fixed Network Camera	WV-U1130	supported by specification
Panasonic Fixed Network Camera	WV-U1132	supported by specification
Panasonic Fixed Network Camera	WV-U1142	supported by specification
Panasonic Fixed Network Camera	WV-U1532L	supported by specification
Panasonic Fixed Network Camera	WV-U1542L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2130L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2132L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2140L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2142L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2530L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2532L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2540L	supported by specification
Panasonic Fixed Dome Network Camera	WV-U2542L	supported by specification
Panasonic PTZ Network Camera	WV-V6430L	supported by specification
Panasonic Fixed Network Camera	WV-X1551LN	supported by specification
Panasonic Fixed Network Camera	WV-X1571LN	supported by specification

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Product Line	Model	Status
Panasonic Fixed Dome Network Camera	WV-X2251L	supported by specification
Panasonic Fixed Dome Network Camera	WV-X2271L	supported by specification
Panasonic Fixed Dome Network Camera	WV-X2551LN	supported by specification
Panasonic Fixed Dome Network Camera	WV-X2571LN	supported by specification
Panasonic Fisheye Camera	WV-X4170	supported by specification
Panasonic Fisheye Camera	WV-X4171	supported by specification
Panasonic Fisheye Camera	WV-X4172	supported by specification
Panasonic Fisheye Camera	WV-X4173	supported by specification
Panasonic Fisheye Camera	WV-X4173L	supported by specification
Panasonic Fisheye Camera	WV-X4571L	supported by specification
Panasonic Fisheye Camera	WV-X4571LM	supported by specification
Panasonic Fisheye Camera	WV-X4573LM	supported by specification
Panasonic PTZ Dome Network Camera	WV-X6511N	supported by specification
Panasonic PTZ Dome Network Camera	WV-X6531N	supported by specification
Panasonic PTZ Dome Network Camera	WV-X6531NJ	supported by specification
Panasonic PTZ Dome Network Camera	WV-X6531NS	supported by specification
Panasonic PTZ Dome Network Camera	WV-X6533LN	ver. 4.23
Panasonic PTZ Dome Network Camera	WV-X6533LNJ	supported by specification
Panasonic 360-degree Network Camera	WV-X8570N	supported by specification



## Content

### Integration protocol: ONVIF (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco EHXME Series ExSite Camera	EHXME036-2	supported by specification
Pelco EHXME Series ExSite Camera	EHXME036-2X	supported by specification
Pelco EHXME Series ExSite Camera	EHXME036-7	supported by specification
Pelco EHXME Series ExSite Camera	EHXME036-7X	supported by specification
Pelco EHXME Series ExSite Camera	EHXME136-2	supported by specification
Pelco EHXME Series ExSite Camera	EHXME136-2X	supported by specification
Pelco EHXME Series ExSite Camera	EHXME136-7	supported by specification
Pelco EHXME Series ExSite Camera	EHXME136-7X	supported by specification
Pelco Esprit HD Series Camera	ES5230-02N	supported by specification
Pelco Esprit HD Series Camera	ES5230-02W	supported by specification
Pelco Esprit HD Series Camera	ES5230-05N	supported by specification
Pelco Esprit HD Series Camera	ES5230-05W	supported by specification
Pelco Esprit HD Series Camera	ES5230-12N	supported by specification
Pelco Esprit HD Series Camera	ES5230-12NP	supported by specification
Pelco Esprit HD Series Camera	ES5230-12W	supported by specification
Pelco Esprit HD Series Camera	ES5230-12WP	supported by specification
Pelco Esprit HD Series Camera	ES5230-15N	supported by specification
Pelco Esprit HD Series Camera	ES5230-15NP	supported by specification
Pelco Esprit HD Series Camera	ES5230-15W	supported by specification
Pelco Esprit HD Series Camera	ES5230-15WP	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-02N	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-02W	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-05N	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-05W	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-12N	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-12NP	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-12W	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-12WP	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-15N	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-15NP	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-15W	supported by specification
Pelco Esprit Enhanced Series Camera	ES523L-15WP	supported by specification
Pelco TI Series Sarix System	ESTI3100-2N	supported by specification
Pelco TI Series Sarix System	ESTI3100-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI3100-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI3100-2W	supported by specification
Pelco TI Series Sarix System	ESTI3100-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI3100-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI3100-5N	supported by specification

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Product Line	Model	Supported Firmware
Pelco TI Series Sarix System	ESTI3100-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI3100-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI3100-5W	supported by specification
Pelco TI Series Sarix System	ESTI3100-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI3100-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI314-2N	supported by specification
Pelco TI Series Sarix System	ESTI314-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI314-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI314-2W	supported by specification
Pelco TI Series Sarix System	ESTI314-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI314-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI314-5N	supported by specification
Pelco TI Series Sarix System	ESTI314-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI314-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI314-5W	supported by specification
Pelco TI Series Sarix System	ESTI314-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI314-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI335-2N	supported by specification
Pelco TI Series Sarix System	ESTI335-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI335-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI335-2W	supported by specification
Pelco TI Series Sarix System	ESTI335-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI335-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI335-5N	supported by specification
Pelco TI Series Sarix System	ESTI335-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI335-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI335-5W	supported by specification
Pelco TI Series Sarix System	ESTI335-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI335-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI350-2N	supported by specification
Pelco TI Series Sarix System	ESTI350-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI350-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI350-2W	supported by specification
Pelco TI Series Sarix System	ESTI350-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI350-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI350-5N	supported by specification
Pelco TI Series Sarix System	ESTI350-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI350-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI350-5W	supported by specification
Pelco TI Series Sarix System	ESTI350-5W-X	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Pelco TI Series Sarix System	ESTI350-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI6100-2N	supported by specification
Pelco TI Series Sarix System	ESTI6100-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI6100-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI6100-2W	supported by specification
Pelco TI Series Sarix System	ESTI6100-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI6100-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI6100-5N	supported by specification
Pelco TI Series Sarix System	ESTI6100-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI6100-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI6100-5W	supported by specification
Pelco TI Series Sarix System	ESTI6100-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI6100-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI635-2N	supported by specification
Pelco TI Series Sarix System	ESTI635-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI635-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI635-2W	supported by specification
Pelco TI Series Sarix System	ESTI635-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI635-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI635-5N	supported by specification
Pelco TI Series Sarix System	ESTI635-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI635-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI635-5W	supported by specification
Pelco TI Series Sarix System	ESTI635-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI635-5W-X1	supported by specification
Pelco TI Series Sarix System	ESTI650-2N	supported by specification
Pelco TI Series Sarix System	ESTI650-2N-X	supported by specification
Pelco TI Series Sarix System	ESTI650-2N-X1	supported by specification
Pelco TI Series Sarix System	ESTI650-2W	supported by specification
Pelco TI Series Sarix System	ESTI650-2W-X	supported by specification
Pelco TI Series Sarix System	ESTI650-2W-X1	supported by specification
Pelco TI Series Sarix System	ESTI650-5N	supported by specification
Pelco TI Series Sarix System	ESTI650-5N-X	supported by specification
Pelco TI Series Sarix System	ESTI650-5N-X1	supported by specification
Pelco TI Series Sarix System	ESTI650-5W	supported by specification
Pelco TI Series Sarix System	ESTI650-5W-X	supported by specification
Pelco TI Series Sarix System	ESTI650-5W-X1	supported by specification
Pelco Evolution Series Camera	EVO-05LMD	supported by specification
Pelco Evolution Series Camera	EVO-05LND	supported by specification
Pelco Evolution Series Camera	EVO-05NRD	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco Evolution Series Camera	EVO-05NSD	supported by specification
Pelco Evolution Series Camera	EVO-12NMD	supported by specification
Pelco Evolution Series Camera	EVO-12NND	supported by specification
Pelco IBE+ Series Sarix Camera	IBE129-1I	supported by specification
Pelco IBE+ Series Sarix Camera	IBE129-1R	supported by specification
Pelco IBE+ Series Sarix Camera	IBE222-1I	supported by specification
Pelco IBE+ Series Sarix Camera	IBE222-1R	supported by specification
Pelco IBE+ Series Sarix Camera	IBE229-1I	supported by specification
Pelco IBE+ Series Sarix Camera	IBE229-1R	supported by specification
Pelco IBE+ Series Sarix Camera	IBE322-1I	supported by specification
Pelco IBE+ Series Sarix Camera	IBE322-1R	supported by specification
Pelco IBE+ Series Sarix Camera	IBE329-1I	supported by specification
Pelco IBE+ Series Sarix Camera	IBE329-1R	supported by specification
Pelco IBP Series Sarix Camera	IBP1110-ER	supported by specification
Pelco IBP+ Series Sarix Camera	IBP121-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP121-1R	supported by specification
Pelco IBP+ Series Sarix Camera	IBP122-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP122-1R	supported by specification
Pelco IBP Series Sarix Camera	IBP219-ER	supported by specification
Pelco IBP+ Series Sarix Camera	IBP221-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP221-1R	supported by specification
Pelco IBP+ Series Sarix Camera	IBP222-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP222-1R	supported by specification
Pelco IBP+ Series Sarix Camera	IBP224-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP224-1R	supported by specification
Pelco IBP Series Sarix Camera	IBP319-ER	supported by specification
Pelco IBP+ Series Sarix Camera	IBP321-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP321-1R	supported by specification
Pelco IBP+ Series Sarix Camera	IBP322-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP322-1R	supported by specification
Pelco IBP+ Series Sarix Camera	IBP324-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP324-1R	supported by specification
Pelco IBP Series Sarix Camera	IBP519-ER	supported by specification
Pelco IBP+ Series Sarix Camera	IBP521-1I	supported by specification
Pelco IBP+ Series Sarix Camera	IBP521-1R	supported by specification
Pelco IBP Series Sarix Camera	IBP5110-ER	supported by specification
Pelco IDE Series Sarix Camera	IDE10DN-0	supported by specification
Pelco IDE Series Sarix Camera	IDE10DN-1	supported by specification
Pelco IDE Series Sarix Camera	IDE10DN-OCP1	supported by specification
Pelco IDE Series Sarix Camera	IDE10DN-OS1	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco IDE Series Sarix Camera	IDE10DN-OSP1	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-0	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-1	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN8-1	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-OC1	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-OCPO	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-OS1	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-OSD	supported by specification
Pelco IDE Series Sarix Camera	IDE20DN-OSP1	supported by specification
Pelco IE Series Sarix Camera	IEE10DN-0	supported by specification
Pelco IE Series Sarix Camera	IEE10DN-1	supported by specification
Pelco IE Series Sarix Camera	IEE10DN8-1	supported by specification
Pelco IE Series Sarix Camera	IEE10DN-OC1	supported by specification
Pelco IE Series Sarix Camera	IEE10DN-OS1	supported by specification
Pelco IE Series Sarix Camera	IEE10DN-OSP1	supported by specification
Pelco IJP+ Series Sarix Camera	IJP121-1IS	supported by specification
Pelco IJP+ Series Sarix Camera	IJP221-1IS	supported by specification
Pelco IM Series Sarix Camera	IM10C10-1	supported by specification
Pelco IM Series Sarix Camera	IM10C10-B1	ver.1.5.9.9261-Q2.3870
Pelco IME Series Sarix Camera	IME119-1EI	supported by specification
Pelco IME Series Sarix Camera	IME119-1EP	supported by specification
Pelco IME Series Sarix Camera	IME119-1ES	supported by specification
Pelco IME Series Sarix Camera	IME119-1I	supported by specification
Pelco IME Series Sarix Camera	IME119-1P	supported by specification
Pelco IME Series Sarix Camera	IME119-1S	supported by specification
Pelco IME Series Sarix Camera	IME119-1VI	supported by specification
Pelco IME Series Sarix Camera	IME119-1VP	supported by specification
Pelco IME Series Sarix Camera	IME119-1VS	supported by specification
Pelco IME+ Series Sarix Camera	IME122-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME129-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME129-1IS	supported by specification
Pelco IME+ Series Sarix Camera	IME129-1RS	supported by specification
Pelco IME Series Sarix Camera	IME219-1EI	supported by specification
Pelco IME Series Sarix Camera	IME219-1EP	supported by specification
Pelco IME Series Sarix Camera	IME219-1ES	supported by specification
Pelco IME Series Sarix Camera	IME219-1I	supported by specification
Pelco IME Series Sarix Camera	IME219-1P	supported by specification
Pelco IME Series Sarix Camera	IME219-1S	supported by specification
Pelco IME Series Sarix Camera	IME219-1VI	supported by specification
Pelco IME Series Sarix Camera	IME219-1VP	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

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Product Line	Model	Supported Firmware
Pelco IME Series Sarix Camera	IME219-1VS	supported by specification
Pelco IME+ Series Sarix Camera	IME222-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME222-1IS	supported by specification
Pelco IME+ Series Sarix Camera	IME222-1RS	supported by specification
Pelco IME+ Series Sarix Camera	IME229-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME229-1IS	supported by specification
Pelco IME+ Series Sarix Camera	IME229-1RS	supported by specification
Pelco IME Series Sarix Camera	IME3122-1EI	supported by specification
Pelco IME Series Sarix Camera	IME3122-1EP	supported by specification
Pelco IME Series Sarix Camera	IME3122-1ES	supported by specification
Pelco IME Series Sarix Camera	IME3122-1I	supported by specification
Pelco IME Series Sarix Camera	IME3122-1P	supported by specification
Pelco IME Series Sarix Camera	IME3122-1S	supported by specification
Pelco IME Series Sarix Camera	IME3122-1VI	supported by specification
Pelco IME Series Sarix Camera	IME3122-1VP	supported by specification
Pelco IME Series Sarix Camera	IME3122-1VS	supported by specification
Pelco IME Series Sarix Camera	IME3122-B1I	supported by specification
Pelco IME Series Sarix Camera	IME3122-B1P	supported by specification
Pelco IME Series Sarix Camera	IME3122-B1S	supported by specification
Pelco IME Series Sarix Camera	IME319-1EI	supported by specification
Pelco IME Series Sarix Camera	IME319-1EP	supported by specification
Pelco IME Series Sarix Camera	IME319-1ES	supported by specification
Pelco IME Series Sarix Camera	IME319-1I	supported by specification
Pelco IME Series Sarix Camera	IME319-1P	supported by specification
Pelco IME Series Sarix Camera	IME319-1S	supported by specification
Pelco IME Series Sarix Camera	IME319-1VI	supported by specification
Pelco IME Series Sarix Camera	IME319-1VP	supported by specification
Pelco IME Series Sarix Camera	IME319-1VS	supported by specification
Pelco IME Series Sarix Camera	IME319-B1I	supported by specification
Pelco IME Series Sarix Camera	IME319-B1P	supported by specification
Pelco IME Series Sarix Camera	IME319-B1S	supported by specification
Pelco IME+ Series Sarix Camera	IME322-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME322-1IS	supported by specification
Pelco IME+ Series Sarix Camera	IME322-1RS	supported by specification
Pelco IME+ Series Sarix Camera	IME329-1ES	supported by specification
Pelco IME+ Series Sarix Camera	IME329-1IS	supported by specification
Pelco IME+ Series Sarix Camera	IME329-1RS	supported by specification
Pelco IME Series Sarix Camera	IMES19-1EI	supported by specification
Pelco IME Series Sarix Camera	IMES19-1EP	supported by specification
Pelco IME Series Sarix Camera	IMES19-1ES	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco IME Series Sarix Camera	IMES19-1I	supported by specification
Pelco IME Series Sarix Camera	IMES19-1P	supported by specification
Pelco IME Series Sarix Camera	IMES19-1S	supported by specification
Pelco IME Series Sarix Camera	IMES19-1VI	supported by specification
Pelco IME Series Sarix Camera	IMES19-1VP	supported by specification
Pelco IME Series Sarix Camera	IMES19-1VS	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1EI	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1EP	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1ES	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1I	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1P	supported by specification
Pelco IMM Series Optera Camera	IMM12018-1S	supported by specification
Pelco IMM Series Optera Camera	IMM12018-B1I	supported by specification
Pelco IMM Series Optera Camera	IMM12018-B1P	supported by specification
Pelco IMM Series Optera Camera	IMM12018-B1S	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1EI	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1EP	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1ES	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1I	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1P	supported by specification
Pelco IMM Series Optera Camera	IMM12027-1S	supported by specification
Pelco IMM Series Optera Camera	IMM12027-B1I	supported by specification
Pelco IMM Series Optera Camera	IMM12027-B1P	supported by specification
Pelco IMM Series Optera Camera	IMM12027-B1S	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1EI	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1EP	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1ES	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1I	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1P	supported by specification
Pelco IMM Series Optera Camera	IMM12036-1S	supported by specification
Pelco IMM Series Optera Camera	IMM12036-B1I	supported by specification
Pelco IMM Series Optera Camera	IMM12036-B1P	supported by specification
Pelco IMM Series Optera Camera	IMM12036-B1S	supported by specification
Pelco IMP+ Series Sarix Camera	IMP121-1ES	supported by specification
Pelco IMP+ Series Sarix Camera	IMP121-1IS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP121-1RS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP221-1ES	supported by specification
Pelco IMP+ Series Sarix Camera	IMP221-1IS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP221-1RS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP321-1ES	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco IMP+ Series Sarix Camera	IMP321-1IS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP321-1RS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP521-1ES	supported by specification
Pelco IMP+ Series Sarix Camera	IMP521-1IS	supported by specification
Pelco IMP+ Series Sarix Camera	IMP521-1RS	supported by specification
Pelco IM Series Sarix Camera	IMS0C10-1	supported by specification
Pelco IM Series Sarix Camera	IMS0C10-1E	supported by specification
Pelco IM Series Sarix Camera	IMS0C10-1V	supported by specification
Pelco IM Series Sarix Camera	IMS0DN10-1E	supported by specification
Pelco IM Series Sarix Camera	IMS0DN10-1V	supported by specification
Pelco IPSXME Series ExSite System	IPSXME036-2	supported by specification
Pelco IPSXME Series ExSite System	IPSXME036-2X	supported by specification
Pelco IPSXME Series ExSite System	IPSXME036-7	supported by specification
Pelco IPSXME Series ExSite System	IPSXME036-7X	supported by specification
Pelco IPSXME Series ExSite System	IPSXME136-2	supported by specification
Pelco IPSXME Series ExSite System	IPSXME136-2X	supported by specification
Pelco IPSXME Series ExSite System	IPSXME136-7	supported by specification
Pelco IPSXME Series ExSite System	IPSXME136-7X	supported by specification
Pelco IWP+ Series Sarix Camera	IWP121-1ES	supported by specification
Pelco IWP+ Series Sarix Camera	IWP221-1ES	supported by specification
Pelco Spectra Professional Series Camera	P1220-ESR0	supported by specification
Pelco Spectra Professional Series Camera	P1220-ESR1	supported by specification
Pelco Spectra Professional Series Camera	P1220-FWH0	supported by specification
Pelco Spectra Professional Series Camera	P1220-FWH1	supported by specification
Pelco Spectra Professional Series Camera	P1220PWH0	supported by specification
Pelco Spectra Professional Series Camera	P1220PWH1	supported by specification
Pelco Spectra Professional Series Camera	P1220-YSR0	supported by specification
Pelco Spectra Professional Series Camera	P1220-YSR1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-EG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-EG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-EGL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-EGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-ESG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-ESG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-ESGL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-ESGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-FW0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-FW1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-FWL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-FWL1	supported by specification



**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Supported Firmware
Pelco Spectra Enhanced Series Camera	S6220-PBL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-PBL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-PG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-PG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-PGL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-PGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-YB0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-YB1	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-YBL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6220-YBL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-EG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-EG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-EGLO	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-EGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-ESG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-ESG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-ESGLO	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-ESGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-FW0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-FW1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-FWL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-FWL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PBL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PBL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PG0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PG1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PGL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-PGL1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-YB0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-YB1	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-YBL0	supported by specification
Pelco Spectra Enhanced Series Camera	S6230-YBL1	supported by specification
Pelco IMM Series Optera Camera	IMM12018-x	supported by specification
Pelco IMM Series Optera Camera	IMM12027-x	supported by specification
Pelco IMM Series Optera Camera	IMM12036-x	supported by specification
Pelco Evolution Series Camera	EVO-12NCD	supported by specification
Pelco Evolution Series Camera	EVO-05NCD	supported by specification
Pelco Evolution Series Camera	EVO-12NID	supported by specification
Pelco Evolution Series Camera	EVO-12NJD	supported by specification
Pelco Evolution Series Camera	EVO-05NID	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

**Video:** Multistreaming (up to 3 streams); H.265, H.264, MJPEG codecs

**Audio:** Microphone (audio-in); G.711, AAC codecs

**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Supported Firmware
Pelco Evolution Series Camera	EVO-05NJD	supported by specification
Pelco Evolution Series Camera	EVO-05NND	supported by specification
Pelco Evolution Series Camera	EVO-12NRD	supported by specification
Pelco Evolution Series Camera	EVO-12NSD	supported by specification
Pelco Evolution Series Camera	EVO12-SS2-P	supported by specification
Pelco Evolution Series Camera	EVO-05LID	supported by specification
Pelco Evolution Series Camera	EVO-05LJD	supported by specification
Pelco Evolution Series Camera	EVO-05LRD	supported by specification
Pelco Evolution Series Camera	EVO-05LSD	supported by specification
Pelco Evolution Series Camera	EVO-180-WED-P	supported by specification
Pelco Evolution Series Camera	EVO-180-WID-P	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EW0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EW1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EB0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EB1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-YB0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-FW0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-YB1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-FW1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-FW0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-FW1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-YB0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-YB1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EW0	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EW1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EB1	supported by specification
Pelco Spectra Enhanced Series Camera	S7230L-EB0	supported by specification
Pelco Spectra Enhanced Series Camera	P1220-PWH0	supported by specification
Pelco Spectra Enhanced Series Camera	P1220-PWH1	supported by specification
Pelco Spectra Enhanced Series Camera	P2230L-ESR	supported by specification
Pelco Spectra Enhanced Series Camera	P2820-ESR	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-02	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-05	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-12	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-12P	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15P	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-12-R2	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-12P-R2	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15-R2	supported by specification

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Product Line	Model	Supported Firmware
Pelco Espirit Enhanced Series Camera	ES6230-12-RWUS	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15P-R2	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15-RWUS	supported by specification
Pelco Espirit Enhanced Series Camera	ES6230-15P-RWUS	supported by specification
Pelco ExSite Enhanced Series Camera	EXP1230-7M	supported by specification
Pelco ExSite Enhanced Series Camera	EXP1230-4N	supported by specification
Pelco IME Series Sarix Camera	IME238-1IRS	supported by specification
Pelco IME Series Sarix Camera	IME338-1IRS	supported by specification
Pelco IME Series Sarix Camera	IME332-1IRS	supported by specification
Pelco IME Series Sarix Camera	IME539-1IRS	supported by specification
Pelco IME Series Sarix Camera	IME839-1IRS	supported by specification
Pelco IME Series Sarix Camera	IME832-1IRS	supported by specification
Pelco TI Series Sarix Camera	TI2314	supported by specification
Pelco IME Series Sarix Camera	IME238-1ERS	supported by specification
Pelco IME Series Sarix Camera	IME338-1ERS	supported by specification
Pelco IME Series Sarix Camera	IME332-1ERS	supported by specification
Pelco IME Series Sarix Camera	IME539-1ERS	supported by specification
Pelco IME Series Sarix Camera	IME839-1ERS	supported by specification
Pelco IME Series Sarix Camera	IME832-1ERS	supported by specification
Pelco IX Series Sarix Camera	IXE33	supported by specification
Pelco IX Series Sarix Camera	IXE23	supported by specification
Pelco IX Series Sarix Camera	IXE53	supported by specification
Pelco IX Series Sarix Camera	IXE83	supported by specification
Pelco IMP Series Sarix Camera	IMP131-1RS	supported by specification
Pelco IMP Series Sarix Camera	IMP231-1IS	supported by specification
Pelco IMP Series Sarix Camera	IMP231-1IRS	supported by specification
Pelco IMP Series Sarix Camera	IMP331-1IS	supported by specification
Pelco IMP Series Sarix Camera	IMP331-1IRS	supported by specification
Pelco IMP Series Sarix Camera	IMP531-1IS	supported by specification
Pelco IMP Series Sarix Camera	IMP531-1IRS	supported by specification
Pelco IXP Series Sarix Camera	IXP13	supported by specification
Pelco IXP Series Sarix Camera	IXP23	supported by specification
Pelco IXP Series Sarix Camera	IXP33	supported by specification
Pelco IXP Series Sarix Camera	IXP53	supported by specification
Pelco IBE Series Sarix Camera	IBE238-1ER	supported by specification
Pelco IBE Series Sarix Camera	IBE332-1ER	supported by specification
Pelco IBE Series Sarix Camera	IBE338-1ER	supported by specification
Pelco IWP Series Sarix Camera	IWP133-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP233-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP234-1ERS	supported by specification

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Product Line	Model	Supported Firmware
Pelco IWP Series Sarix Camera	IWP232-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP236-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP333-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP533-1ERS	supported by specification
Pelco IWP Series Sarix Camera	IWP532-1ERS	supported by specification
Pelco IMP Series Sarix Camera	IMP131-1ERS	supported by specification
Pelco IMP Series Sarix Camera	IMP231-1ERS	supported by specification
Pelco IMP Series Sarix Camera	IMP331-1ERS	supported by specification
Pelco IMP Series Sarix Camera	IMP531-1ERS	supported by specification
Pelco IBP Series Sarix Camera	IBP131-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP231-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP235-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP331-1ER	supported by specification
Pelco IBP Series Sarix Camera	IPB335-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP531-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP232-1ER	supported by specification
Pelco IBP Series Sarix Camera	IBP532-1ER	supported by specification
Pelco IBD Series Sarix Camera	IBD129-1	supported by specification
Pelco IBD Series Sarix Camera	IBD329-1	supported by specification
Pelco TI Series Sarix Camera	TI2335	supported by specification
Pelco TI Series Sarix Camera	TI2350	supported by specification
Pelco TI Series Sarix Camera	TI2614	supported by specification
Pelco TI Series Sarix Camera	TI2635	supported by specification
Pelco TI Series Sarix Camera	TI2650	supported by specification
Pelco ESTI Series Sarix Camera	ESTI2619	supported by specification
Pelco ESTI Series Sarix Camera	ESTI2635	supported by specification
Pelco ESTI Series Sarix Camera	ESTI2650	supported by specification
Pelco ESTI Series Sarix Camera	ESTI26100	supported by specification

## Content

### Integration protocol: ONVIF (a global industry protocol)

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Product Line	Model	Supported Firmware
Siqura Box Camera	BC1103	supported by specification
Siqura Box Camera	BC620WDR	supported by specification
Siqura Box Camera	BC620WDR-AID	supported by specification
Siqura Box Camera	BC620WDR-AID /TDC	supported by specification
Siqura Box Camera	BC820	supported by specification
Siqura Box Camera	BC820EXP	supported by specification
Siqura Box Camera	BC820H1	supported by specification
Siqura Box Camera	BC820v2	supported by specification
Siqura Box Camera	BC820v2H3	supported by specification
Siqura Box Camera	BC840-AID	supported by specification
Siqura Box Camera	BC840-MC	supported by specification
Siqura Box Camera	BC840-PID	supported by specification
Siqura Box Camera	BC840-PID-XT	supported by specification
Siqura Box Camera	BC840v2	supported by specification
Siqura Box Camera	BC860	supported by specification
Siqura Bullet Camera	BL1002F4-EI	supported by specification
Siqura Bullet Camera	BL1004F4-EI	supported by specification
Siqura Bullet Camera	BL1004M1-EI	supported by specification
Siqura Bullet Camera	BL1103M1-EI	supported by specification
Siqura Bullet Camera	BL2002F4-EI	supported by specification
Siqura Bullet Camera	BL2002M1-EI	supported by specification
Siqura Bullet Camera	BL2005M1-EI	supported by specification
Siqura Bullet Camera	BL810F1IR	supported by specification
Siqura Bullet Camera	BL820M1IR	supported by specification
Siqura Bullet Camera	BL820v2M1IR	supported by specification
Siqura Compact Dome Camera	CD1002F2-EI	supported by specification
Siqura Compact Dome Camera	CD1004F2-EI	supported by specification
Siqura Compact Dome Camera	CD810F1	supported by specification
Siqura Compact Dome Camera	CD820F1	supported by specification
SIQURA Encoder	C-54 E-MC	supported by specification
SIQURA Encoder	C-60 E-MC	supported by specification
SIQURA Encoder	C620 E	supported by specification
SIQURA Encoder	C620 E-PID	supported by specification
SIQURA Encoder	EVE 4x4	supported by specification
SIQURA Encoder	EVE FOUR	supported by specification
SIQURA Encoder	EVE ONE	supported by specification
SIQURA Encoder	S-50 E-MSA	supported by specification
SIQURA Encoder	S-54 E	supported by specification
SIQURA Encoder	S-60 E	ver.4.22.8

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Product Line	Model	Supported Firmware
SIQURA Encoder	S620 E	supported by specification
SIQURA Encoder	S-64 E v2	supported by specification
SIQURA Encoder	S-64 E/32 GB	supported by specification
SIQURA Encoder	S-64 E/XT	supported by specification
SIQURA Encoder	S-68 E	supported by specification
Siqura Fisheye Camera	FD360IR	supported by specification
Siqura Fisheye Camera	FD360IR-E	supported by specification
SIQURA Fixed Box Camera	BC2x Series	supported by specification
Siqura Fixed Camera	Tunnel Cam Ultimo	supported by specification
Siqura Fixed Dome Camera	CD820F2	supported by specification
Siqura Fixed Dome Camera	FD1002V1-EI	supported by specification
Siqura Fixed Dome Camera	FD1004M1-EI	supported by specification
Siqura Fixed Dome Camera	FD1103M1-EI	supported by specification
Siqura Fixed Dome Camera	FD1103M1-I	supported by specification
Siqura Fixed Dome Camera	FD2002F2-EI	supported by specification
Siqura Fixed Dome Camera	FD2002M1-EI	supported by specification
Siqura Fixed Dome Camera	FD2005M1-EI	supported by specification
Siqura Fixed Dome Camera	FD810V1IR	supported by specification
Siqura Fixed Dome Camera	FD820M1IR	supported by specification
Siqura Fixed Dome Camera	FD820M1IR-SPF	supported by specification
Siqura Fixed Dome Camera	FD820v2M1IR	supported by specification
Siqura Fixed Dome Camera	FD920	supported by specification
Siqura Fixed Dome Camera	IFD820V1IR	supported by specification
Siqura PTZ Camera	TrafficPTZ Ultimo	supported by specification
SIQURA PTZ Dome Camera	HD26 WDR	ver.1.0.1
SIQURA PTZ Dome Camera	HD66 WDR	supported by specification
Siqura PTZ Dome Camera	HSD620 /P	supported by specification
Siqura PTZ Dome Camera	HSD621PRH	supported by specification
Siqura PTZ Dome Camera	HSD622	supported by specification
Siqura PTZ Dome Camera	HSD626	supported by specification
Siqura PTZ Dome Camera	HSD820H2-E	supported by specification
Siqura PTZ Dome Camera	HSD820H2-I	supported by specification
Siqura PTZ Dome Camera	HSD820H3-E	supported by specification
Siqura PTZ Dome Camera	HSD820H3PRH	supported by specification
Siqura PTZ Dome Camera	HSD820v2H3-E	supported by specification
Siqura PTZ Dome Camera	MSD620 /P	supported by specification
Siqura PTZ Dome Camera	PD1103Z2-E	supported by specification
Siqura PTZ Dome Camera	PD1103Z2-EI	supported by specification
Siqura Thermal Camera	TC620-PID	supported by specification
Siqura Thermal Camera	TC840R1	supported by specification

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Siqura Video Encoder	C-60 E-MC	supported by specification
Siqura Video Encoder	C620 E	supported by specification
Siqura Xtreme Camera	HSD820H3 MDC	supported by specification
Siqura Xtreme Camera	HSD820H3 PD	supported by specification
Siqura Xtreme Camera	HSD820H3 SA	supported by specification
Siqura Xtreme Camera	SA-BC820v2H3 F	supported by specification
Siqura Xtreme Camera	SA-BC820v2H3-TC620 D	supported by specification
Siqura Xtreme Camera	SA-DC820v2H3 PTZ	supported by specification
Siqura Xtreme Camera	SA-TC620 PTZ	supported by specification
Siqura Xtreme Camera	SA-TC620-PID F	supported by specification
Siqura Xtreme Camera	SA-TC840R1 F	supported by specification
Siqura Xtreme Camera	SA-TC840R1 PTZ	supported by specification
Siqura Explosion-Proof PTZ Camera	EX-PD24	supported by specification
Siqura Box Camera	BC822v2H3-AS	supported by specification
Siqura Box Camera	BC980H2	supported by specification
Siqura Fixed Dome Camera	FD360v2	supported by specification
Siqura Fixed Dome Camera	FD910	supported by specification
Siqura Fixed Dome Camera	FD1104FR	supported by specification
Siqura Box Camera	BC910	supported by specification
Siqura PTZ Camera	PD1022	supported by specification
Siqura Box Camera	BC840-PID-XT	supported by specification
Siqura PTZ Camera	PD900	supported by specification
Siqura PTZ Camera	PD1104Z2-EI	supported by specification
Siqura PTZ Camera	PD920	supported by specification
Siqura Box Camera	BC920	supported by specification
Siqura Fixed Dome Camera	FD920	supported by specification
Siqura Bullet Camera	BL2002LPR	supported by specification
Siqura Box Camera	BC822v2H3	supported by specification
Siqura Fixed Dome Camera	FD980	supported by specification
Siqura Box Camera	BC980	supported by specification
Siqura Bullet Camera	BL980	supported by specification
Siqura PTZ Camera	PD910	supported by specification
Siqura Thermal Camera	XCU Compact 316L	supported by specification
Siqura Thermal Camera	XCU C Thermal 2SM	supported by specification
Siqura Thermal Camera	XCU Compact R1	supported by specification
Siqura Stainless-Steel Samera	XCU C 2SM	supported by specification
Siqura Stainless-Steel Samera	XCU Fusion 2SM	supported by specification
Siqura Stainless-Steel Samera	XCU Fusion	supported by specification

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### Integration protocol: ONVIF (a global industry protocol)

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Product Line	Model	Supported Firmware
Sony Fixed Compact Camera	SNC-CH110	supported by specification
Sony Fixed Box Camera	SNC-CH115	supported by specification
Sony Fixed Box Camera	SNC-CH120	supported by specification
Sony Fixed Box Camera	SNC-CH135	supported by specification
Sony Fixed Box Camera	SNC-CH140	supported by specification
Sony Fixed Bullet Camera	SNC-CH160	supported by specification
Sony Fixed Bullet Camera	SNC-CH180	supported by specification
Sony Fixed Compact Camera	SNC-CH210	supported by specification
Sony Fixed Box Camera	SNC-CH220	supported by specification
Sony Fixed Box Camera	SNC-CH240	supported by specification
Sony Fixed Bullet Camera	SNC-CH260	supported by specification
Sony Fixed Bullet Camera	SNC-CH280	supported by specification
Sony Fixed Camera	SNC-CW600W	supported by specification
Sony Fixed Cube Camera	SNC-CX600	supported by specification
Sony Fixed Cube Camera	SNC-CX600W	supported by specification
Sony Fixed Compact Camera	SNC-DH110	supported by specification
Sony Fixed Compact Camera	SNC-DH110T	supported by specification
Sony Fixed Minidome Camera	SNC-DH120	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-DH120T	supported by specification
Sony Fixed Minidome Camera	SNC-DH140	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-DH140T	supported by specification
Sony Fixed Dome Camera	SNC-DH160	supported by specification
Sony Fixed Dome Camera	SNC-DH180	supported by specification
Sony Fixed Compact Camera	SNC-DH210	supported by specification
Sony Fixed Compact Camera	SNC-DH210T	supported by specification
Sony Fixed Minidome Camera	SNC-DH220	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-DH220T	supported by specification
Sony Fixed Minidome Camera	SNC-DH240	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-DH240T	supported by specification
Sony Fixed Dome Camera	SNC-DH260	supported by specification
Sony Fixed Dome Camera	SNC-DH280	supported by specification
Sony Fixed Box Camera	SNC-EB520	supported by specification
Sony Fixed Box Camera	SNC-EB600	supported by specification
Sony Fixed Box Camera	SNC-EB600B	supported by specification
Sony Fixed Bullet Camera	SNC-EB602R	supported by specification
Sony Fixed Box Camera	SNC-EB630	supported by specification
Sony Fixed Box Camera	SNC-EB630B	supported by specification
Sony Fixed Bullet Camera	SNC-EB632R	supported by specification
Sony Fixed Box Camera	SNC-EB640	supported by specification



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Product Line	Model	Supported Firmware
Sony Fixed Bullet Camera	SNC-EB642R	supported by specification
Sony Fixed Minidome Camera	SNC-EM520	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-EM521	supported by specification
Sony Fixed Minidome Camera	SNC-EM600	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-EM601	supported by specification
Sony Fixed Dome Camera	SNC-EM602R	supported by specification
Sony Fixed Dome Camera	SNC-EM602RC	supported by specification
Sony Fixed Minidome Camera	SNC-EM630	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-EM631	supported by specification
Sony Fixed Dome Camera	SNC-EM632R	supported by specification
Sony Fixed Dome Camera	SNC-EM632RC	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-EM641	supported by specification
Sony Fixed Minidome Camera	SNC-EM642R	supported by specification
Sony PTZ Dome Camera	SNC-EP520	supported by specification
Sony PTZ Dome Camera	SNC-EP521	supported by specification
Sony PTZ Dome Camera	SNC-EP550	supported by specification
Sony PTZ Dome Camera	SNC-EP580	supported by specification
Sony PTZ Dome Camera	SNC-ER520	supported by specification
Sony PTZ Dome Camera	SNC-ER521	supported by specification
Sony PTZ Dome Camera	SNC-ER550	supported by specification
Sony PTZ Dome Camera	SNC-ER580	supported by specification
Sony PTZ Dome Camera	SNC-ER585	supported by specification
Sony PTZ Dome Camera	SNC-ER585H	supported by specification
Sony 360-degree Hemispheric-vie Camera	SNC-HM662	supported by specification
Sony PTZ Dome Camera	SNC-RH124	supported by specification
Sony PTZ Dome Camera	SNC-RH164	supported by specification
Sony PTZ Dome Camera	SNC-RS44N	supported by specification
Sony PTZ Dome Camera	SNC-RS44P	supported by specification
Sony PTZ Dome Camera	SNC-RS46N	supported by specification
Sony PTZ Dome Camera	SNC-RS46P	supported by specification
Sony PTZ Dome Camera	SNC-RS84N	supported by specification
Sony PTZ Dome Camera	SNC-RS84P	supported by specification
Sony PTZ Dome Camera	SNC-RS86N	supported by specification
Sony PTZ Dome Camera	SNC-RS86P	supported by specification
Sony Fixed Box Camera	SNC-VB600	supported by specification
Sony Fixed Box Camera	SNC-VB600B	supported by specification
Sony Fixed Box Camera	SNC-VB630	supported by specification
Sony Fixed Bullet Camera	SNC-VB632D	supported by specification
Sony Fixed Box Camera	SNC-VB635	supported by specification
Sony Fixed Box Camera	SNC-VB640	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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**EdgeStorage:** Restoring an archive from an SD card (EdgeStorage Sync)

**Controls:** Pan, Tilt, Zoom, Zoom by selected area, Center by click; Focus, Auto Focus; Iris, Auto Iris; Presets (Add/Update/Remove, Home preset); Tours by Presets (Call only); Sensors (inputs); Relays (outputs)

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Product Line	Model	Supported Firmware
Sony Fixed Bullet Camera	SNC-VB642D	supported by specification
Sony Fixed Box Camera	SNC-VB770	supported by specification
Sony Fixed Minidome Camera	SNC-VM600	supported by specification
Sony Fixed Minidome Camera	SNC-VM600B	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-VM601	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-VM601B	supported by specification
Sony Fixed Dome Camera	SNC-VM602R	supported by specification
Sony Fixed Minidome Camera	SNC-VM630	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-VM631	supported by specification
Sony Fixed Dome Camera	SNC-VM632R	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-VM641	supported by specification
Sony Fixed Minidome Camera	SNC-VM642R	supported by specification
Sony Fixed Dome Camera	SNC-VM772R	supported by specification
Sony PTZ Dome Camera	SNC-WR600	supported by specification
Sony PTZ Dome Camera	SNC-WR602	supported by specification
Sony PTZ Dome Camera	SNC-WR602C	supported by specification
Sony PTZ Dome Camera	SNC-WR630	supported by specification
Sony PTZ Dome Camera	SNC-WR632	supported by specification
Sony PTZ Dome Camera	SNC-WR632C	supported by specification
Sony Fixed Minidome Camera	SNC-XM631	supported by specification
Sony Fixed Minidome Camera	SNC-XM632	supported by specification
Sony Fixed Minidome Camera	SNC-XM636	supported by specification
Sony Fixed Minidome Camera	SNC-XM637	supported by specification
Sony Fixed Box Camera	SNC-ZB550	supported by specification
Sony Fixed Minidome Camera	SNC-ZM550	supported by specification
Sony Fixed Vandal-resistant Minidome Camra	SNC-ZM551	supported by specification
Sony PTZ Dome Camera	SNC-ZP550	supported by specification
Sony PTZ Dome Camera	SNC-ZR550	supported by specification
Sony Video Surveillance Encoder	SNT-EP104	supported by specification
Sony Video Surveillance Encoder	SNT-EP154	supported by specification
Sony Video Surveillance Encoder	SNT-EX101	supported by specification
Sony Video Surveillance Encoder	SNT-EX101E	supported by specification
Sony Video Surveillance Encoder	SNT-EX104	supported by specification
Sony Video Surveillance Encoder	SNT-EX154	supported by specification
Sony Fixed Minidome Camera	SNC-EMX52R	supported by specification
Sony Fixed Minidome Camera	SNC-EMX50R	supported by specification
Sony Fixed Minidome Camera	SNC-EMX50	supported by specification
Sony Fixed Minidome Camera	SNC-EMX32R	supported by specification
Sony Fixed Minidome Camera	SNC-EMX30R	supported by specification
Sony Fixed Minidome Camera	SNC-EMX30	supported by specification

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Product Line	Model	Firmware
Uniview EasyStar Series Network Cameras	IPCxxxxLB-xxxxx	supported by specification
Uniview EasyStar Series Network Cameras	IPCxxxxLE-xxxxx	supported by specification
Uniview EasyStar Series Network Cameras	IPCxxxxLR3-xxxxx	supported by specification
Uniview Positioning System Series Network Cameras	IPCxxxxER-Xxx-Vx	supported by specification
Uniview Prime Series Network Cameras	IPCxxxxSA-xxxxx	supported by specification
Uniview Prime Series Network Cameras	IPCxxxxSB-xxxxx	supported by specification
Uniview Prime Series Network Cameras	IPCxxxxSE-xxxxx	supported by specification
Uniview Prime Series Network Cameras	IPCxxxxSR3-xxxxx	v.IPC_Q1201-B5012D1512 and higher
Uniview Prime Series Network Cameras	IPCxxxxSS-xxxxx	supported by specification
Uniview Pro Series Network Cameras	IPCxxxxER-xxxxx	v.IPC_Q1201-B5012P01D1512 and higher
Uniview Pro Series Network Cameras	IPCxxxxAE-xxxxx	supported by specification
Uniview Pro Series Network Cameras	IPCxxxxEA-xxxxx	supported by specification
Uniview Pro Series Network Cameras	IPCxxxxEB-xxxxx	supported by specification
Uniview Pro Series Network Cameras	IPCxxxxER5-xxxxx	supported by specification
Uniview PTZ Easy Series Network Cameras	IPCxxxxRx-Xxx-Fxx-Vx	supported by specification
Uniview PTZ Prime Series Network Cameras	IPCxxxxSx-Xxx-Fxx-Vx	v.IPC_HCMN1102-F5027D1511 and higher
Uniview PTZ Pro Series Network Cameras	IPCxxxxEx-Xxx-Fxx-Vx	supported by specification
Uniview Thermal Series Network Cameras	TICxxxxx-Fxx	supported by specification

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Product Line	Model	Status
VideoTec Ex-Proof Series Camera	MAXIMUS MMX	supported by specification
VideoTec Ex-Proof Series PTZ camera	MAXIMUS MPX	supported by specification
VideoTec Ex-Proof Series PTZ camera	MAXIMUS MPX DELUX	supported by specification
VideoTec Ex-Proof Series PTZ camera	MAXIMUS MPXHD	supported by specification
VideoTec Ex-Proof Series PTZ camera	MAXIMUS MPXT	supported by specification
VideoTec Ex-Proof Series Video Encoder	MAXIMUS MVX	supported by specification
VideoTec Ex-Proof Series Video Encoder	MAXIMUS MVX DELUX	supported by specification
VideoTec Ex-Proof Series Video Encoder	MAXIMUS MVXHD	supported by specification
VideoTec Ex-Proof Series Video Encoder	MAXIMUS MVXT	supported by specification
VideoTec Stainless Steel Series Camera	NVX	supported by specification
VideoTec Stainless Steel Series PTZ camera	NXPTZ	supported by specification
VideoTec Stainless Steel Series PTZ camera	NXPTZ DELUX	supported by specification
VideoTec Stainless Steel Series PTZ camera	NXPTZHD	supported by specification
VideoTec Stainless Steel Series PTZ camera	NXPTZT	supported by specification
VideoTec ULISSE Series PTZ unit	ULISSE	supported by specification
VideoTec ULISSE Series PTZ unit	ULISSE 2	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE COMPACT	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE COMPACT DELUX	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE COMPACT HD	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE Maxi Net Cam	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE RADICAL	supported by specification
VideoTec ULISSE Series PTZ camera	ULISSE RADICAL THERMAL	supported by specification

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Product Line	Model	Status
Vivotek Compact Cube Camera	CC8160	supported by specification
Vivotek Compact Cube Camera	CC8370-HV	supported by specification
Vivotek 180° Panoramic Camera	CC8371-HV	supported by specification
Vivotek Corner Dome Camera	CD8371-HNTV	supported by specification
Vivotek Corner Dome Camera	CD8371-HNVF2	supported by specification
Vivotek Fixed Dome Camera	FD8134	supported by specification
Vivotek Fixed Dome Camera	FD8135H	supported by specification
Vivotek Fixed Dome Camera	FD8137H	supported by specification
Vivotek Fixed Dome Camera	FD8138-H	supported by specification
Vivotek Fixed Dome Camera	FD8155H	supported by specification
Vivotek Fixed Dome Camera	FD8156	supported by specification
Vivotek Fixed Dome Camera	FD8163	supported by specification
Vivotek Fixed Dome Camera	FD8165H	supported by specification
Vivotek Fixed Dome Camera	FD8166	supported by specification
Vivotek Fixed Dome Camera	FD8166A	ver.0303b
Vivotek Fixed Dome Camera	FD8166A-N	supported by specification
Vivotek Fixed Dome Camera	FD8167	supported by specification
Vivotek Fixed Dome Camera	FD8167A	supported by specification
Vivotek Fixed Dome Camera	FD8167-T	supported by specification
Vivotek Fixed Dome Camera	FD8168	supported by specification
Vivotek Fixed Dome Camera	FD8169	supported by specification
Vivotek Fixed Dome Camera	FD8169A	supported by specification
Vivotek Fixed Dome Camera	FD816BA-HF2	supported by specification
Vivotek Fixed Dome Camera	FD816BA-HT	supported by specification
Vivotek Fixed Dome Camera	FD816B-F2	ver.0301c
Vivotek Fixed Dome Camera	FD816B-HF2	ver.0301c
Vivotek Fixed Dome Camera	FD816B-HT	ver.0301c
Vivotek Fixed Dome Camera	FD816B-T	ver.0301c
Vivotek Fixed Dome Camera	FD816CA-HF2	supported by specification
Vivotek Fixed Dome Camera	FD816C-HF2	ver.0301a
Vivotek Fixed Dome Camera	FD816C-HSF2	supported by specification
Vivotek Fixed Dome Camera	FD816D	supported by specification
Vivotek Fixed Dome Camera	FD8171	supported by specification
Vivotek Fixed Dome Camera	FD8177-H	supported by specification
Vivotek Fixed Dome Camera	FD8177-HT	supported by specification
Vivotek Fixed Dome Camera	FD8179-H	supported by specification
Vivotek Fixed Dome Camera	FD8181	supported by specification
Vivotek Fixed Dome Camera	FD8182-F1	supported by specification
Vivotek Fixed Dome Camera	FD8182-F2	ver.0301a

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Product Line	Model	Status
Vivotek Fixed Dome Camera	FD8182-T	ver.0301a
Vivotek Fixed Dome Camera	FD8184-F2	supported by specification
Vivotek Fixed Dome Camera	FD8338-HV	supported by specification
Vivotek Fixed Dome Camera	FD8355EHV	supported by specification
Vivotek Fixed Dome Camera	FD8355SHV	supported by specification
Vivotek Fixed Dome Camera	FD8362	supported by specification
Vivotek Fixed Dome Camera	FD8363	supported by specification
Vivotek Fixed Dome Camera	FD8365EHV	supported by specification
Vivotek Fixed Dome Camera	FD8365SHV	supported by specification
Vivotek Fixed Dome Camera	FD8366-V	supported by specification
Vivotek Fixed Dome Camera	FD8367A	supported by specification
Vivotek Fixed Dome Camera	FD8367A-V	supported by specification
Vivotek Fixed Dome Camera	FD8367-TV	supported by specification
Vivotek Fixed Dome Camera	FD8367-V	supported by specification
Vivotek Fixed Dome Camera	FD8369A	supported by specification
Vivotek Fixed Dome Camera	FD8369A-V	supported by specification
Vivotek Fixed Dome Camera	FD8368A-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD8368A-EHVF2	supported by specification
Vivotek Fixed Dome Camera	FD8368A-HTV	supported by specification
Vivotek Fixed Dome Camera	FD8368A-HVF2	supported by specification
Vivotek Fixed Dome Camera	FD8368-EHTV	ver.0303a
Vivotek Fixed Dome Camera	FD8368-EHVF2	ver.0303a
Vivotek Fixed Dome Camera	FD8368-EVF2	supported by specification
Vivotek Fixed Dome Camera	FD8368-HTV	ver.0303a
Vivotek Fixed Dome Camera	FD8368-HVF2	ver.0303a
Vivotek Fixed Dome Camera	FD8368-VF2	supported by specification
Vivotek Fixed Dome Camera	FD8371EV	supported by specification
Vivotek Fixed Dome Camera	FD8371V	supported by specification
Vivotek Fixed Dome Camera	FD8372	supported by specification
Vivotek Fixed Dome Camera	FD8377-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD8377-HTV	supported by specification
Vivotek Fixed Dome Camera	FD8377-HV	supported by specification
Vivotek Fixed Dome Camera	FD8379-HV	supported by specification
Vivotek Fixed Dome Camera	FD8381-EV	supported by specification
Vivotek Fixed Dome Camera	FD8381-V	supported by specification
Vivotek Fixed Dome Camera	FD8382-ETV	ver.0301a
Vivotek Fixed Dome Camera	FD8382-EVF2	ver.0301a
Vivotek Fixed Dome Camera	FD8382-TV	ver.0301a
Vivotek Fixed Dome Camera	FD8382-VF2	ver.0301a
Vivotek Fixed Dome Camera	FD9165-HT	supported by specification

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Product Line	Model	Status
Vivotek Fixed Dome Camera	FD9167-H	supported by specification
Vivotek Fixed Dome Camera	FD9167-HT	supported by specification
Vivotek Fixed Dome Camera	FD9171-HT	ver.0302b
Vivotek Fixed Dome Camera	FD9181-HT	supported by specification
Vivotek Fixed Dome Camera	FD9187-H	supported by specification
Vivotek Fixed Dome Camera	FD9187-HT	supported by specification
Vivotek Fixed Dome Camera	FD9189-H	supported by specification
Vivotek Fixed Dome Camera	FD9189-HT	supported by specification
Vivotek Fixed Dome Camera	FD9365-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD9365-HTV	supported by specification
Vivotek Fixed Dome Camera	FD9365-HTVL	supported by specification
Vivotek Fixed Dome Camera	FD9367-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD9367-HTV	supported by specification
Vivotek Fixed Dome Camera	FD9367-HV	supported by specification
Vivotek Fixed Dome Camera	FD9371-EHTV	ver.0302b
Vivotek Fixed Dome Camera	FD9371-HTV	ver.0302b
Vivotek Fixed Dome Camera	FD9381-EHTV	ver.0302b
Vivotek Fixed Dome Camera	FD9381-HTV	ver.0302b
Vivotek Fixed Dome Camera	FD9387-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD9387-EHV	supported by specification
Vivotek Fixed Dome Camera	FD9387-HTV	supported by specification
Vivotek Fixed Dome Camera	FD9387-HV	supported by specification
Vivotek Fixed Dome Camera	FD9389-EHTV	supported by specification
Vivotek Fixed Dome Camera	FD9389-EHV	supported by specification
Vivotek Fixed Dome Camera	FD9389-EHVM	supported by specification
Vivotek Fixed Dome Camera	FD9389-HM	supported by specification
Vivotek Fixed Dome Camera	FD9389-HTV	supported by specification
Vivotek Fixed Dome Camera	FD9389-HV	supported by specification
Vivotek Fixed Dome Camera	FD9389-HVM	supported by specification
Vivotek Fixed Dome Camera	FD9391-EHTV	supported by specification
Vivotek Fisheye Camera	FE8173	supported by specification
Vivotek Fisheye Camera	FE8174	supported by specification
Vivotek Fisheye Camera	FE8180	supported by specification
Vivotek Fisheye Camera	FE8181	supported by specification
Vivotek Fisheye Camera	FE8181V	supported by specification
Vivotek Fisheye Camera	FE8182	supported by specification
Vivotek Fisheye Camera	FE8191	supported by specification
Vivotek Fisheye Camera	FE8391-V	supported by specification
Vivotek Fisheye Camera	FE9180-H	supported by specification
Vivotek Fisheye Camera	FE9181-H	supported by specification

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Vivotek Fisheye Camera	FE9182-H	supported by specification
Vivotek Fisheye Camera	FE9191	supported by specification
Vivotek Fisheye Camera	FE9381-EHV	ver.0303b
Vivotek Fisheye Camera	FE9382-EHV	supported by specification
Vivotek Fisheye Camera	FE9391-EV	supported by specification
Vivotek Bullet Camera	IB8156	supported by specification
Vivotek Bullet Camera	IB8168	supported by specification
Vivotek Bullet Camera	IB8338-H	supported by specification
Vivotek Bullet Camera	IB8338-HR	supported by specification
Vivotek Mini Bullet Camera	IB8360	supported by specification
Vivotek Mini Bullet Camera	IB8360-W	supported by specification
Vivotek Bullet Camera	IB8367	supported by specification
Vivotek Bullet Camera	IB8367A	supported by specification
Vivotek Bullet Camera	IB8367-R	supported by specification
Vivotek Bullet Camera	IB8367-RT	supported by specification
Vivotek Bullet Camera	IB8367-T	supported by specification
Vivotek Bullet Camera	IB8369	supported by specification
Vivotek Bullet Camera	IB8369A	supported by specification
Vivotek Bullet Camera	IB836BA-EHF3	supported by specification
Vivotek Bullet Camera	IB836BA-EHT	supported by specification
Vivotek Bullet Camera	IB836BA-HF3	supported by specification
Vivotek Bullet Camera	IB836BA-HT	supported by specification
Vivotek Bullet Camera	IB836B-EHF3	ver.0301a
Vivotek Bullet Camera	IB836B-EHT	ver.0301a
Vivotek Bullet Camera	IB836B-HF3	ver.0301a
Vivotek Bullet Camera	IB836B-HRF3	ver.0301a
Vivotek Bullet Camera	IB836B-HRT	ver.0301a
Vivotek Bullet Camera	IB836B-HT	supported by specification
Vivotek Bullet Camera	IB836B-RT	ver.0301a
Vivotek Fixed Dome Camera	IB8377-EHT	supported by specification
Vivotek Bullet Camera	IB8377-H	supported by specification
Vivotek Fixed Dome Camera	IB8377-HT	supported by specification
Vivotek Bullet Camera	IB8379-H	supported by specification
Vivotek Bullet Camera	IB8381	supported by specification
Vivotek Bullet Camera	IB8381-E	supported by specification
Vivotek Bullet Camera	IB8382-EF3	ver.0301a
Vivotek Bullet Camera	IB8382-ET	ver.0301a
Vivotek Bullet Camera	IB8382-F3	ver.0301a
Vivotek Bullet Camera	IB8382-RF3	ver.0301a
Vivotek Bullet Camera	IB8382-RT	ver.0301a



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**Network:** Multicast/Unicast streaming; Basic or Digest access authentication; HTTP/HTTPS; IPv4/IPv6

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Product Line	Model	Status
Vivotek Bullet Camera	IB8382-T	ver.0301a
Vivotek Bullet Camera	IB9365-EHT	supported by specification
Vivotek Bullet Camera	IB9365-HT	supported by specification
Vivotek Bullet Camera	IB9367-EHT	supported by specification
Vivotek Bullet Camera	IB9367-H	supported by specification
Vivotek Bullet Camera	IB9367-HT	supported by specification
Vivotek Bullet Camera	IB9371-EHT	ver.0301c
Vivotek Bullet Camera	IB9371-HRT	supported by specification
Vivotek Bullet Camera	IB9371-HT	ver.0301c
Vivotek Bullet Camera	IB9381-EHT	ver.0302b
Vivotek Bullet Camera	IB9381-HRT	ver.0302b
Vivotek Bullet Camera	IB9381-HT	ver.0302b
Vivotek Bullet Camera	IB9387-EH	supported by specification
Vivotek Bullet Camera	IB9387-EHT	supported by specification
Vivotek Bullet Camera	IB9387-H	supported by specification
Vivotek Bullet Camera	IB9387-HT	supported by specification
Vivotek Bullet Camera	IB9389-EH	supported by specification
Vivotek Bullet Camera	IB9389-EHM	supported by specification
Vivotek Bullet Camera	IB9389-EHT	supported by specification
Vivotek Bullet Camera	IB9389-H	supported by specification
Vivotek Bullet Camera	IB9389-HM	supported by specification
Vivotek Bullet Camera	IB9389-HT	supported by specification
Vivotek Bullet Camera	IB9391-EHT	supported by specification
Vivotek Box Camera	IP8130	supported by specification
Vivotek Box Camera	IP8131	supported by specification
Vivotek Box Camera	IP8131W	supported by specification
Vivotek Box Camera	IP8151	supported by specification
Vivotek Box Camera	IP8152	supported by specification
Vivotek Box Camera	IP8155HP	supported by specification
Vivotek Compact Cube Camera	IP8160	supported by specification
Vivotek Compact Cube Camera	IP8160-W	supported by specification
Vivotek Box Camera	IP8162	supported by specification
Vivotek Box Camera	IP8165HP	supported by specification
Vivotek Box Camera	IP8166	supported by specification
Vivotek Box Camera	IP8166A	supported by specification
Vivotek Box Camera	IP8166A-P	supported by specification
Vivotek Box Camera	IP816A-HP	supported by specification
Vivotek Box Camera	IP816D-P	supported by specification
Vivotek Box Camera	IP8172	supported by specification
Vivotek Box Camera	IP8173H	supported by specification

**Integration protocol: ONVIF** (a global industry protocol)

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Product Line	Model	Status
Vivotek Box Camera	IP8335H	supported by specification
Vivotek Box Camera	IP8355EH	supported by specification
Vivotek Box Camera	IP8355H	supported by specification
Vivotek Box Camera	IP8362	supported by specification
Vivotek Box Camera	IP8365EH	supported by specification
Vivotek Box Camera	IP8365H	supported by specification
Vivotek Box Camera	IP8371	supported by specification
Vivotek Box Camera	IP8371E	supported by specification
Vivotek Box Camera	IP8372	supported by specification
Vivotek Box Camera	IP9165-HP	supported by specification
Vivotek Box Camera	IP9165-LPC	supported by specification
Vivotek Box Camera	IP9167-HT (12-40mm)	supported by specification
Vivotek Box Camera	IP9167-HT (2.8-10mm)	supported by specification
Vivotek Box Camera	IP9171-HP	ver.0301a
Vivotek Box Camera	IP9171-HT	supported by specification
Vivotek Box Camera	IP9172-LPC	supported by specification
Vivotek Box Camera	IP9181-H	supported by specification
Vivotek Box Camera	IP9181-HP	supported by specification
Vivotek Box Camera	IP9191-HP	supported by specification
Vivotek Box Camera	IP9191-HT	supported by specification
Vivotek Dome Camera	IT9389-H	supported by specification
Vivotek Dome Camera	IT9389-HT	supported by specification
Vivotek Zoom Bullet Camera	IZ9361-EH	supported by specification
Vivotek Zoom Bullet Camera	IZ9371-EH	supported by specification
Vivotek Multi-Adjustable Views Camera	MA8391-ETV	supported by specification
Vivotek Multi-sensor Camera	MA9321-EHTV	supported by specification
Vivotek Multi-sensor Camera	MA9322-EHTV	supported by specification
Vivotek Mobile Dome Camera	MD8531H	supported by specification
Vivotek Mobile Dome Camera	MD8562	supported by specification
Vivotek Fixed Dome Camera	MD8563-DEHF2	supported by specification
Vivotek Fixed Dome Camera	MD8563-DEHF4	supported by specification
Vivotek Mobile Dome Camera	MD8563-EH	supported by specification
Vivotek Mobile Dome Camera	MD8563-EHF2	ver.0303b
Vivotek Mobile Dome Camera	MD8563-EHF4	supported by specification
Vivotek Mobile Dome Camera	MD8564-EH	supported by specification
Vivotek Mobile Dome Camera	MD8565-N	supported by specification
Mobile Vivotek Dome Camera	MD9561-H	supported by specification
Mobile Vivotek Dome Camera	MD9581-H	supported by specification
Vivotek Multiple Sensor Camera	MS8391-EV	supported by specification
Vivotek Multiple Sensor Dome Camera	MS8392-EV	supported by specification

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Product Line	Model	Status
Vivotek Multi-sensor Camera	MS9321-EHV	supported by specification
Vivotek Multi-Sensor Dome Camera	MS9390-HV	supported by specification
Vivotek Pan/Tilt Dome Camera	PD8136	supported by specification
Vivotek Dome Speed Camera	SD8161	supported by specification
Vivotek Dome Speed Camera	SD8314E	supported by specification
Vivotek Dome Speed Camera	SD8316E	supported by specification
Vivotek Dome Speed Camera	SD8324E	supported by specification
Vivotek Dome Speed Camera	SD8326E	supported by specification
Vivotek Dome Speed Camera	SD8332E	supported by specification
Vivotek Dome Speed Camera	SD8333-E	supported by specification
Vivotek Dome Speed Camera	SD8363E	supported by specification
Vivotek Dome Speed Camera	SD8364E	supported by specification
Vivotek Dome Speed Camera	SD9161-H	supported by specification
Vivotek Dome Speed Camera	SD9361-EH	supported by specification
Vivotek Dome Speed Camera	SD9361-EHL	ver.0303b
Vivotek Dome Speed Camera	SD9362-EH	supported by specification
Vivotek Dome Speed Camera	SD9362-EHL	ver.0303b
Vivotek Dome Speed Camera	SD9363-E	supported by specification
Vivotek Dome Speed Camera	SD9363-EHL	supported by specification
Vivotek Dome Speed Camera	SD9364-EH	supported by specification
Vivotek Dome Speed Camera	SD9364-EHL	supported by specification
Vivotek Dome Speed Camera	SD9365-EHL	supported by specification
Vivotek Dome Speed Camera	SD9366-EH	supported by specification
Vivotek Dome Speed Camera	SD9366-EHL	supported by specification
Vivotek System Fisheye Camera	SF8174	supported by specification
Vivotek Thermal Camera	TB9330-E	supported by specification
Vivotek Thermal Camera	TB9331-E	supported by specification
Vivotek Thermal Camera	TC9330-EV	supported by specification
Vivotek Split-type Camera	VC8101	ver.0302b
Vivotek Split-type Camera	VC8201	supported by specification
Vivotek Video Server	VS8100	supported by specification
Vivotek 1-CH Video Server	VS8100-v2	supported by specification
Vivotek Video Server	VS8102	supported by specification
Vivotek Video Server	VS8401	supported by specification
Vivotek Video Server	VS8801	supported by specification
Vivotek Compact Cube Camera	CC9380-HV	supported by specification
Vivotek Fixed Dome Camera	FD9167-HT-v2	supported by specification
Vivotek Fixed Dome Camera	FD9367-EHTV-v2	supported by specification
Vivotek Fixed Dome Camera	FD9369	supported by specification
Vivotek Fixed Dome Camera	FD9392-EHTV-O	supported by specification

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Product Line	Model	Status
Vivotek Fixed Dome Camera	FE9380-HV	supported by specification
Vivotek Fixed Dome Camera	FE9382-EHV-v2	supported by specification
Vivotek Bullet Camera	IB9365-LPR	supported by specification
Vivotek Bullet Camera	IB9367-EHT-v2	supported by specification
Vivotek Bullet Camera	IP9165-HT-v2	supported by specification
Vivotek Bullet Camera	IP9165-LPC-v2	supported by specification
Vivotek Bullet Camera	IP9165-LPC-v2 Kit	supported by specification
Vivotek Bullet Camera	IP9165-LPR	supported by specification
Vivotek Bullet Camera	IP9165-LPR Kit	supported by specification
Vivotek Box Camera	MD9582-H	supported by specification

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### Integration protocol: ONVIF (a global industry protocol)

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Product Line	Model	Status
XTS Fixed Box Camera	XTS-BC1.3DN30	supported by specification
XTS Fixed Box Camera	XTS-BC2MPDN	supported by specification
XTS Fixed Box Camera	XTS-BC2MPP265	supported by specification
XTS Fixed Box Camera	XTS-BC3MPDN	supported by specification
XTS Fixed Box Camera	XTS-BC3MPP265	supported by specification
XTS Fixed Box Camera	XTS-BC5MPDN	supported by specification
XTS Fixed Box Camera	XTS-BC600DN-IP	supported by specification
XTS Fixed Box Camera	XTS-BC600-IP	supported by specification
XTS Fixed Box Camera	XTS-BCVGADN-IP	supported by specification
XTS Fixed Box Camera	XTS-BCVGA-IP	supported by specification
XTS Fixed Bullet Camera	XTS-BU1.3MPB	supported by specification
XTS Fixed Bullet Camera	XTS-BU1.3MPDNVF	supported by specification
XTS Fixed Bullet Camera	XTS-BU2MPB	supported by specification
XTS Fixed Bullet Camera	XTS-BU2MPDNVF	supported by specification
XTS Fixed Bullet Camera	XTS-BU2MPL265	supported by specification
XTS Fixed Bullet Camera	XTS-BU2MPP265	supported by specification
XTS Fixed Bullet Camera	XTS-BU3MPB	supported by specification
XTS Fixed Bullet Camera	XTS-BU3MPDNVF	supported by specification
XTS Fixed Bullet Camera	XTS-BU4MPL265	supported by specification
XTS Fixed Bullet Camera	XTS-BU540VF-IP	supported by specification
XTS Fixed Bullet Camera	XTS-BU5MPDN	supported by specification
XTS Fixed Mini Dome Camera	XTS-MD2MPL265	supported by specification
XTS Fixed Mini Dome Camera	XTS-MD2MPP265	supported by specification
XTS Fixed Bullet Camera	XTS-MD3MP265	supported by specification
XTS Fixed Dome Camera	XTS-MDI1.3MP	supported by specification
XTS Fixed Dome Camera	XTS-MDI13DNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDI2MPDN	supported by specification
XTS Fixed Dome Camera	XTS-MDI3MPDN	supported by specification
XTS Fixed Dome Camera	XTS-MDI3MPDNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDI3MP-WDR	supported by specification
XTS Fixed Dome Camera	XTS-MDVP1.3DNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDVP1.3MPDN	supported by specification
XTS Fixed Dome Camera	XTS-MDVP1.3MPDNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDVP13MPDN	supported by specification
XTS Fixed Dome Camera	XTS-MDVP2MPDN	supported by specification
XTS Fixed Dome Camera	XTS-MDVP2MPDNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDVP3MDNVF	supported by specification
XTS Fixed Dome Camera	XTS-MDVP3MDNVFIR-WDR	supported by specification
XTS Fixed Dome Camera	XTS-MDVP5MPDN-4	supported by specification
XTS Encoder	XTS-NVS-1	supported by specification
XTS Encoder	XTS-NVS11	supported by specification
XTS Encoder	XTS-NVS11A	supported by specification
XTS PTZ Camera	XTS-PTZ30X4MP-IR150	supported by specification

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Product Line	Model	Status
XTS PTZ Camera	XTS-PTZ30X4MP-IR250	supported by specification
XTS PTZ Dome Camera	XTS-SD10XDN-WIP	supported by specification
XTS PTZ Dome Camera	XTS-SD18XDN-WIP	supported by specification
XTS PTZ Dome Camera	XTS-SD20XDN2MP-WIP	ver.1.1.3
XTS PTZ Dome Camera	XTS-SD28XDN-WIP	supported by specification
XTS PTZ Dome Camera	XTS-SD36XDN-WIP	supported by specification
XTS PTZ Dome Camera	XTS-SD36XDNWPIRIP	supported by specification
XTS PTZ Dome Camera	XTS-SD36XDNWWIP	supported by specification
XTS Fixed Mini Dome Camera	XTS-SDH10XDN2MP-IR	supported by specification
XTS PTZ Speed Dome Camera	XTS-SDH10XDN2MP-IR	supported by specification
XTS PTZ Speed Dome Camera	XTS-SDH20XDN2MP-G	supported by specification
XTS PTZ Speed Dome Camera	XTS-SDH33XDN2MP-G	supported by specification

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**Joysticks and control boards**

Manufacturer	Model
AXIS	AXIS T8310, AXIS 295
Bosch	KBD-Universal-XF Keyboard, IntuiKey Keyboard
CH Products	IP DESKTOP
Panasonic	WV-CU950
Pelco	KBD300A
Hanwha	SPC-7000, SPC-2000
Hikvision	DS-1600KI, DS-1100KI
Vivotek	IPD-USB

**I/O devices**

Manufacturer	Model
AXIS	A91xx Series
MOXA	ioLogik E2212 Series, ioLogik E2210 Series

**Audio devices**

Manufacturer	Model
AXIS	C1004-E, C2005, C3003-E, C1310-E
2N	SIP Mic

**Access Control, Fire and Intrusion Systems**

Manufacturer	Product
AMAG	Symmetry (version 8.1 and higher)
AXIS	AXIS A1001
Bosch	Bosch APE (version 3.5 and higher)
Falco System	FalcoWEB (version 5.0.08)
Fiber SenSys	Fiber SenSys FD340 Series
Isonas	Crystal Matrix (v.20.06.04)
Isonas	Pure Access (v.2.6.0)
Kantech	EntraPass v.8.20
Lenel	OnGuard 8.0 (8.0.458.105)
Nedap	AEOS (version 2019.1.9 built on 2020-06-12)
Next Level	NLSS Access Control
RBH-Access	AxiomV (v.5.2.84 release 3)
S2 Security	S2 NetBox (version 4.4)
Software House	C-Cure 9000 v2.70
Vault	Vault: SCAIP v 5.0.8