

# SecurOS™ VMS Server 300 Series Datasheet



## KEY FEATURES:

- 900 Mbps Throughput
- Up to 200 Cameras
- SecurOS™ VMS Pre-installed
- Up to 252 TB Raw Data Storage
- Redundant Power Supplies
- 2 Solid State OS Drives (RAID1)
- DAS, SAN, and NAS Expansion Options
- 5 Year Global Next Business Day On-site Warranty

The ISS Video Server line provides scalable, secure, and robust platforms for end-to-end security solutions. Our servers come with the industry-leading SecurOS™ video management software pre-loaded for fast and easy deployments. The servers are designed for small to large installations, with large camera and bandwidth requirements. Additionally, the servers are engineered to efficiently run ISS video analytics modules and to support SAN/NAS expansions.

The SecurOS VMS Server 300 Series is a powerful rackmount hardware platform, designed to meet the most demanding security video requirements. The 300 Series are enterprise network video recorders designed for mid-scale to large video surveillance deployments, and are optimized for up to 900 Mbps of throughput for continuous recording. These servers deliver cost-effective performance and an ease of deployment and reliability that ensures the system gets up and running fast and stays that way. The 300 series offers high throughput and performance balance for the camera load while scalable architecture keeps stride with retention requirements.

Best in class components with a warranty to match, the SecurOS Server is designed to give you the power you need with the performance you can rely on. ISS tests, tunes, and guarantees that each server endures the toughest installations.

## SYSTEM

<b>Windows</b>	Windows 10 IoT Windows Server 2016 (Optional)	
<b>CPU</b>	Intel Xeon Silver 4110 2.10 GHz (8 Core / 16 Thread)	
<b>RAM</b>	16 GB (2 x 8 GB) DDR4 2400 MHz ECC Option for 32 GB Upgrade	
<b>OS Drive</b>	2 x 240 GB SSD (RAID1)	
<b>Data Storage</b>	Up to 252 TB RAW (SATA Drives)	
<b>RAID</b>	JBOD, 0, 1, 5, 6, 10	
<b>Video Outputs</b> (dependent on model)	VGA	VGA, Optional NVIDIA Quadro P1000 or P2000 Discrete GPU
<b>Network</b>	4 x 1 Gbps	
<b>RAID Controller</b> (dependent on model)	PERC H730P 12 Gb/s SAS/SATA Controller	PERC H740P 12 Gb/s SAS/SATA Controller
<b>USB</b>	Front: 2 x USB 2.0 Rear: 2 x USB 3.0	
<b>Warranty</b>	5 Year Global Next Business Day, Onsite Warranty	
<b>Accessories Included</b>	USB Keyboard, Mouse, Rail Kit	

## MECHANICAL

<b>Form Factor</b>	2U Rackmount	
<b>OS Drive Bays</b>	2 x M.2 BOSS PCIe Card	
<b>Data Drive Bays</b>	14 x 3.5-in. Fixed, Internal	
<b>Power Supply</b> (dependent on model)	750 W, Hot Plug Redundant Power Supply	1100 W, Hot Plug Redundant Power Supply
<b>Power Draw</b> (dependent on model)	100 VAC to 240 VAC, 50/60 Hz, 10 A to 5 A per Power Supply	100 VAC to 240 VAC, 50/60 Hz, 12 A to 6.5 A per Power Supply
<b>AC Input VAC Freq.</b>	100 VAC to 240 VAC, 50/60 Hz, Autoranging	
<b>Operating Temperature</b>	10° C to 35° C (50° F to 95° F)	
<b>Operating Humidity</b>	10% to 80% Relative Humidity at 29° C (84.2° F) Maximum Dew Point	
<b>Dimensions</b> (dependent on model)	434.0 mm x 86.80 x mm 681.80 mm (17.08 in. x 3.42 in. x 26.84 in.)	434.0 mm x 86.80 x mm 715.50 mm (17.08 in. x 3.42 in. x 28.17 in.)
<b>Weight</b> (dependent on model)	32.50 kg (71.50 lbs) Fully Populated	33.10 kg (72.91 lbs) Fully Populated
<b>Safety and Emissions</b>	Energy Star, CEC, CECP, FCC, NOM, CCC, UL	
<b>Rack</b>	Standard 19-inch Rack, Uses Full Depth of Rack	

## ORDERING INFORMATION

<b>SecurOS VMS Server Part Numbers</b>	SOS-NVR-300, SOS-NVR-300-24T, SOS-NVR-300-32T, SOS-NVR-300-40T, SOS-NVR-300-48T, SOS-NVR-300-56T, SOS-NVR-300-64T, SOS-NVR-300-72T, SOS-NVR-300-80T, SOS-NVR-300-88T, SOS-NVR-300-96T, SOS-NVR-300-104T, SOS-NVR-300-112T, SOS-NVR-300-120T, SOS-NVR-300-130T, SOS-NVR-300-140T, SOS-NVR-300-156T, SOS-NVR-300-168T, SOS-NVR-300-182T, SOS-NVR-300-196T, SOS-NVR-300-210T, SOS-NVR-300-224T, SOS-NVR-300-238T, SOS-NVR-300-252T
<b>Server Add-on Options</b>	SOS-NVR-300-MEM-32GB: <i>Increase Memory from 16 GB to 32 GB</i> SOS-NVR-300-GPU- P1000: <i>NVIDIA Quadro P1000, 4 GB, 4 DP</i> SOS-NVR-300-GPU- P2000: <i>NVIDIA Quadro P2000, 5 GB, 4 DP</i> SOS-NVR-300-WIN16: <i>Upgrade from Windows 10 IoT to Windows Server 2016</i>

