

# SecurOS™ VMS Server 450 Series Datasheet



## KEY FEATURES:

- 1.7 Gbps Throughput
- SecurOS™ VMS Pre-installed
- Up to 416TB Raw Data Storage
- NL-SAS Drives for High-performance Recording
- Redundant Power Supplies
- 2 Solid State OS Drives (RAID1)
- 10 Gbps SFP+ Network Interface
- 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 450 Series is a powerful rackmount hardware platform, designed to meet the most demanding security video requirements. The 450 Series are enterprise network video recorders designed for large-scale video surveillance deployments, and are optimized for up to 1.7 Gbps of throughput for continuous recording. These servers provide a complete video management, recording, and viewing solution in a single unit, to easily deploy a unified system combining video surveillance, access control, building automation, automatic license plate recognition and other ISS video analytic modules.

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 Pro Windows Server 2019 (Optional)
<b>CPU</b>	2 x Intel® Xeon® Silver 4216 2.10 GHz (32 Cores / 64 Threads)
<b>RAM</b>	32GB (4 x 8GB) DDR4 Upgrade to 64GB (Optional)
<b>OS Drive</b>	2 x 240GB SSD (RAID1)
<b>Data Storage</b>	Up to 416TB RAW (NL-SAS Drives)
<b>RAID</b>	JBOD, 0, 1, 5, 6, 10
<b>Video Outputs</b>	1 x VGA
<b>Network</b>	2 x 1 Gbps, 2 x 10 Gbps SFP+
<b>RAID Controller</b>	PERC H740P
<b>USB</b>	Front: 2 x USB 2.0 Rear: 2 x USB 3.0 Internal: 1 x USB 3.0
<b>Remote Management</b>	iDRAC Express
<b>Warranty</b>	5 Year Global Next Business Day, Onsite Warranty (Keep Your Own Hard Drives)
<b>Accessories Included</b>	Rail Kit

MECHANICAL	
<b>Form Factor</b>	2U Rackmount
<b>OS Drive Bays</b>	2 x M.2 SSD
<b>Data Drive Bays</b>	26 x 3.5" Hot Swap
<b>Power Supply</b>	2 x 1100W Hot Swap
<b>Max Power Draw</b>	820W
<b>AC Input VAC Freq.</b>	100 VAC to 240 VAC, 50/60 Hz, Autoranging
<b>Operating Temperature</b>	50°F to 95°F (10°C to 35°C)
<b>Operating Humidity</b>	5% to 90% (non-condensing)
<b>Dimensions (WxDxH)</b>	19" x 28.15" x 3.4" (482.6mm x 646mm x 86.8mm)
<b>Weight</b>	88.18 lbs (40 kg) Fully Populated
<b>Safety and Emissions</b>	Energy Star, CEC, CECP, FCC, NOM, CCC, UL
<b>Rack</b>	Standard 19" Rack, Uses Full Depth of Rack

ORDERING INFORMATION	
<b>SecurOS™ VMS Server Part Numbers</b>	SOS-NVR-450-304T, SOS-NVR-450-320T, SOS-NVR-450-336T, SOS-NVR-450-352T, SOS-NVR-450-368T SOS-NVR-450-384T, SOS-NVR-450-400T, SOS-NVR-450-416T
<b>Server Add-on Options</b>	SOS-NVR-450-WIN19: <i>Upgrade from Windows 10 Pro to Windows Server 2019</i> SOS-NVR-450-MEM-64GB: <i>Increase RAM from 32GB to 64GB</i> SOS-NVR-450-SSD-480GB: <i>Upgrade to 2 x 480GB SSD Drives (for OS)</i>