

Milesight OpenVision Server Mini

All-in-one Intelligent Monitoring Workstation



KEY FEATURES

- ▶ **High-Capacity 16-Channel Video Recorder & Edge Server** (Supports up to 16 channels of video input with 140Mbps bandwidth and H.265/H.264 hardware decoding, ideal for centralized recording and edge analytics.)
- ▶ **Dual 2.5G Ethernet Ports Link Aggregation** (Delivers high-speed network throughput and redundancy via LACP/ALB.)
- ▶ **Massive Expandable Storage** (Two M.2 MKey SSD slots, total 8TB capacity for longterm, reliable video retention and quick retrieval.)
- ▶ **High Reliability Design** (Fanless compact design; PoE+/DC 12V flexible power supply with low voltage alarm prevents unexpected shutdowns.)
- ▶ **Wide Temperature Range** (Stable operation from -20°C to 60°C , suitable for harsh outdoor environments.)
- ▶ **Web-based Remote Management & File Manager** (Support remote access via browser for system configuration, firmware upgrade, and a built-in file manager.)
- ▶ **Hardened Security with fTPM** (Hardware-based TPM ensures secure boot, BIOS encryption, and tamper resistant key storage – meeting advanced cybersecurity requirements.)
- ▶ **Versatile Mounting Options** (Supports VESA, DIN rail, and bracket mounts, suitable for diverse deployment scenarios.)



Pre-installed Nx Witness
for Instant Setup



Linux-based &
Stable Operation



Empower Camera
Analytics on Nx Witness
with Built-in Plugin



Flexible Deployment
for Diverse
Edge Scenarios



Cost-Effective &
Low Power Consumption



Multi-Instance Central
Management

Milesight OpenVision Server Mini



	Model	SE0216-K/NX/A05
System	Main Processor	Intel Quad Core @3.40 GHz Max
	Memory	4GB LPDDR5
	Firmware Storage	32GB eMMC
	Operating System	Linux Ubuntu 24.04 LTS
	GPU Options	Integrated GPU
	TPM	fTPM
	Auto Power On	Support
Storage	Supported SSD	Max. 8TB, up to 4TB per disk
	SSD Slot	2* M.2 M-Key SSD
Network	Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Client), ICMP, IGMP, ARP, DNS, HTTPS, ONVIF, NFS, SMB
Audio	Compression	G.711/AAC/G.726
	Audio Communication	2-way
Performance	Video Inputs	Max. 16CH
	Video Resolution	12MP ~ CIF
	Network Bandwidth	Max. 140Mbps Recording, Max. 140Mbps Outgoing
	Metadata Performance	32 targets/s (AI by Camera)
	Video Compression	H.265, H.264, MJPEG
	Decoding Capability	Support Hardware Decoding
	Storage Mode	Continuous, Motion, Events, Objects, Dual Stream
	Edge Analytics	Analytics Events (Based on camera metadata): CCTV (Intrusion Detection/ Region Entrance/ Region Exit/ Advanced Motion Detection/ Line Crossing/ Loitering/ Object Left/Object Removed/ Object Counting/ Regional People Counting); LPR (Attribute Event/ Black List/ White List/ Visitor Event/ Speed Monitoring/ No Plates/ Reverse Driving); Object Detected Events (Person and Vehicle with Attribute/ Face) Smart Search (Based on camera metadata): CCTV: Person (Hat, Top Clothing Color, Bottom Clothing Color), Vehicle (Vehicle Type), Face (Gender, Age, Mask, Cap, Glasses); LPR: Vehicle (Color, Vehicle Type, Brand, Speed, Direction), License Plate (Number, Color, Country, Plate Type)

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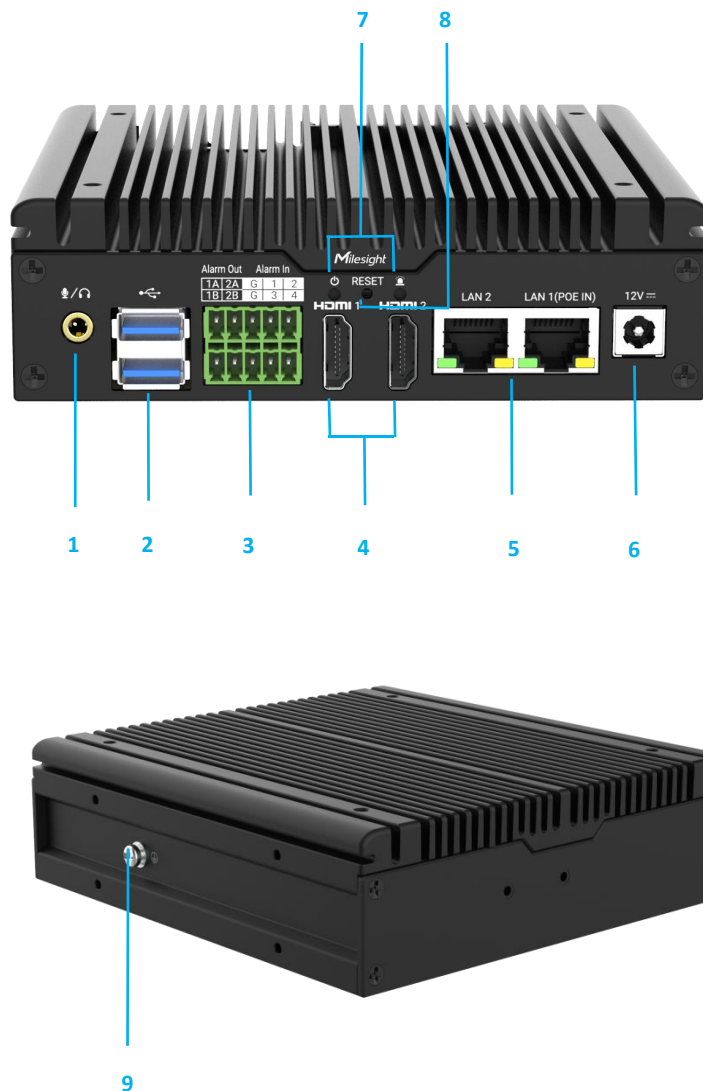
Application	Nx Witness Server	Support (Include Plug-in)
	ONVIF Device	Support
Management	Web Management	Support
	Web File Manager	Support
	Basic Event	Audio Alarm, Network Disconnected, IP Address Conflict, SSD Full, SSD Uninitialized, SSD Error, No SSD, Low Voltage
	Maintenance	Firmware Upgrade, Auto Reboot
Interface	Ethernet	2*2500Mbps RJ45 Ethernet Port, Lan 1 support POE PD
	Link Aggregation	Active Backup, Link Aggregation Control Protocol (LACP), and Adaptive Load Balancing (ALB)
	Display	2* HDMI Port
		Simultaneous Mode (Simultaneously outputs video sources for HDMI 1 & 2 ports) HDMI 1 & 2: 3840x2160/60Hz, 1920x1080/60Hz
	Audio	1x 3.5mm Headphone Jack with Microphone Input (4-pole, TRRS, CTIA Standard)
	Alarm I/O	4/2
	Indicator light	2 (Power & Alarm Light)
	Reset Button	Yes
	USB Interface	2*USB 3.0
	Power Supply	PoE+ (802.3at) / DC 12V±15% (5525 DC power plug)
General	Consumption	Typical: 6W (Without SSD, DC), 8W (Without SSD, POE) MAX: 16W (With 2*SSD, DC), 18W (With 2*SSD, POE)
	Working Temperature	-20°C to 60°C
	Working Humidity	10% to 90% RH (No freezing and no condensation)
	Cooling System	Fanless Design
	Dimension	135mm(W) X 140mm(D) X 40mm(H)
	Installation	DIN Rail Mount, VESA Mount, Bracket Mount
	Net Weight	0.99 Kg
	Package Weight	1.3 Kg
	Warranty	3 Years

Notice: Nx license is not included by default.

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Interfaces



- 1 - 3.5mm Headphone Jack with Microphone Input (4-pole, TRRS, CTIA Standard)
- 2 - 2* USB 3.0
- 3 - 4* Alarm Input: Wet Contact (5V) or Dry Contact
2* Alarm Output: Dry Contact (Rated Voltage 24V / Current 1A)
- 4 - 2* HDMI Port
- 5 - 2* 2500Mbps RJ45 Ethernet Port, Lan1 support POE PD
- 6 - Power Supply (DC 12V)
- 7 - 2* Indicator Light (Power & Alarm Light)
- 8 - Reset Button
- 9 - Grounding Hole (Grounding Screw Pre-installed)

Version: V1.3

Date: 2026.06.01

