

Milesight OpenVision Server Mini

All-in-one Intelligent Monitoring Workstation



Pre-installed NX
for Instant Setup



Linux-based &
Stable Operation



Empower Camera
Analytics on NX with
Built-in Plugin



Flexible Deployment
for Diverse
Edge Scenarios



Cost-Effective &
Low Power Consumption



Multi-Instance Central
Management

KEY FEATURES

Linux Ubuntu 24.04 LTS •
2 SSD Slots with Up to 8TB Storage •
Flexible Power Supply via PoE & DC 12V •
Wide Temperature Range from -20°C to 60°C •
Compact Size and Fanless Design •
Versatile and Convenient Installation Choices •
Web-based Remote Access and Firmware Upgrade •

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	Model	SE0208-K/NX	SE0208-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. 8CH	
	Video Resolution	12MP ~ CIF	
	Network Bandwidth	Max. 80Mbps Recording, Max. 160Mbps Outgoing	
	Video Compression	H.265, H.264, MJPEG	
	Decoding Capability	Server disabled: 4 channels of 12 MP@30 fps; 6 channels of 8 MP@30 fps; 9 channels of 4 MP@30 fps; 16 channels of 1080p@30 fps; Server enabled (Limited Metadata*): 2 channels of 4 MP@30 fps; 4 channels of 1080p@30 fps; * Limited Metadata: less than 5 objects per second	
	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)	
	NX Witness Client	Support	
	ONVIF Device	Support	
Management	Web Management	Support	
	Basic Event	Audio Alarm, Network Disconnected, IP Address Conflict SSD Full, SSD Uninitialized, SSD Error, No SSD	
	Maintenance	Firmware Upgrade, Auto Reboot	
Interface	Ethernet	1*2500Mbps RJ45 Ethernet Port, support POE PD	
	Display	2* Micro HDMI Port	
		Simultaneous Mode (Simultaneously outputs video sources for HDMI 1 & 2 ports) HDMI 1 & 2: 3840x2160/60Hz, 1920x1080/60Hz	
	Audio	1 x Headphone Jack with Microphone Input	
	Alarm I/O	4/2	
	Indicator light	2	
	Reset Button	Yes	
	USB Interface	3*USB 3.0, 1*USB 2.0	
General	Power Supply	PoE+ (802.3at) / DC 12V±15% (5525 DC power plug)	
	Consumption	Typical: 6W (Without SSD, DC), 7W (Without SSD, POE) MAX: 16W (With SSD, DC), 18W (With SSD, POE)	
	Working Temperature	-20°C to 60°C	
	Working Humidity	10% to 90% RH (No freezing and no condensation)	
	Dimension	135mm(W) X 140mm(D) X 40mm(H) (Without Mount)	
	Installation	VESA Mount	DIN Rail Mount, VESA Mount, Bracket Mount
	Net Weight	0.99 Kg	1.0 Kg
	Package Weight	1.3 Kg	
Warranty	3 Years		

Version: V2.0

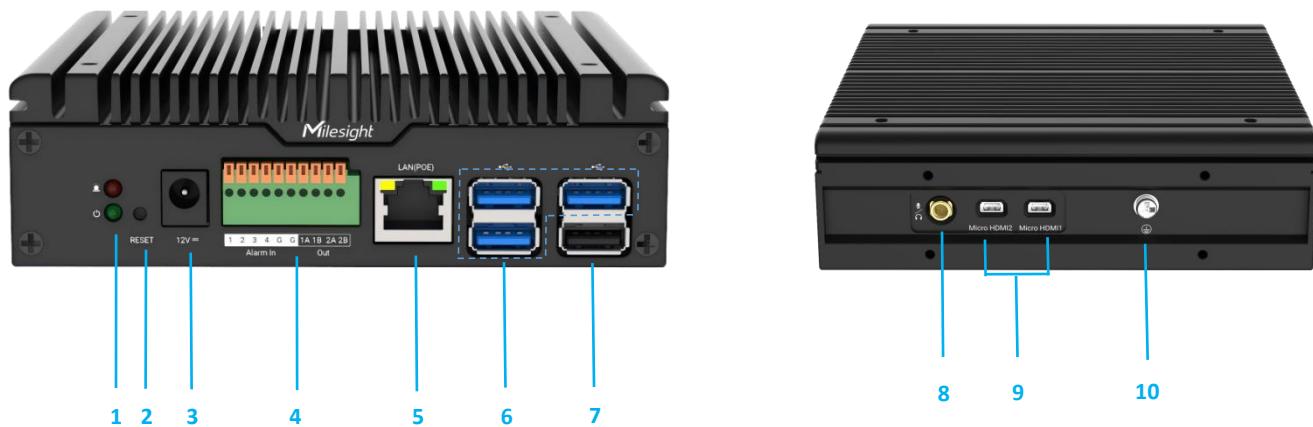
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Interfaces

SE0208-K/NX



1 - 2*Indicator Light	6 - 3*USB 3.0
2 - Reset Button	7 - 1*USB 2.0
3 - Power Port (DC 12V)	8 - Audio
4 - Alarm I/O	9 - 2*Micro HDMI Port
5 - Power Port (PoE)	10 - Grounding Hole

