



Milesight OpenVision Server

Plug-and-Play with Built-in Nx Server



Pre-installed
Nx Server



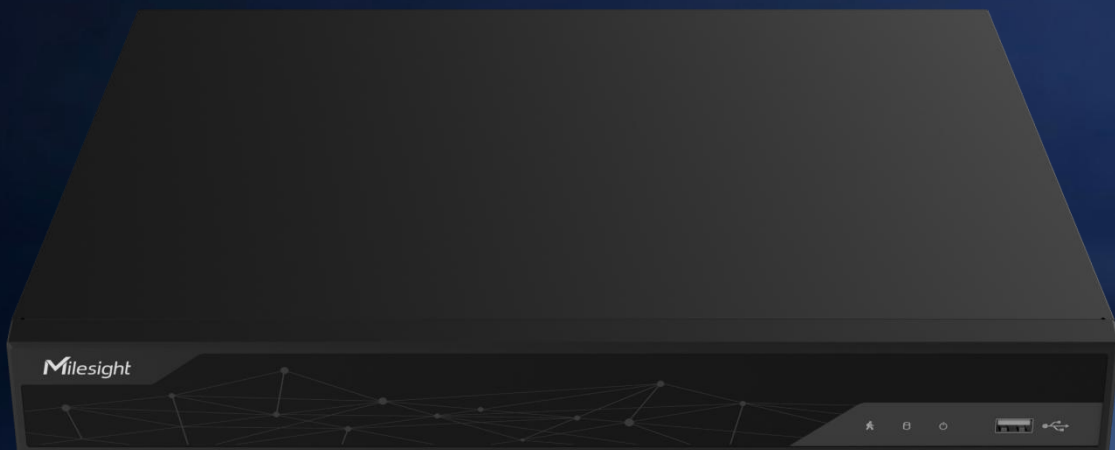
Pre-installed with
Milesight Plugin



Linux-based &
Stable Operation



Up to 32
Channel



KEY FEATURES

- Pre-installed with Nx Server
- Up to 48TB + 2xM.2 SSD
- RAID1 Supported
- 2-Way Audio
- Built-in Smart Tool Lite
- 32CH @ 288 Mbps
- Intel Quad Core @3.40GHz + 8GB LPDDR5
- Dual 2.5G with Link Aggregation
- Web Management
- fTPM Security

AVAILABLE MODELS

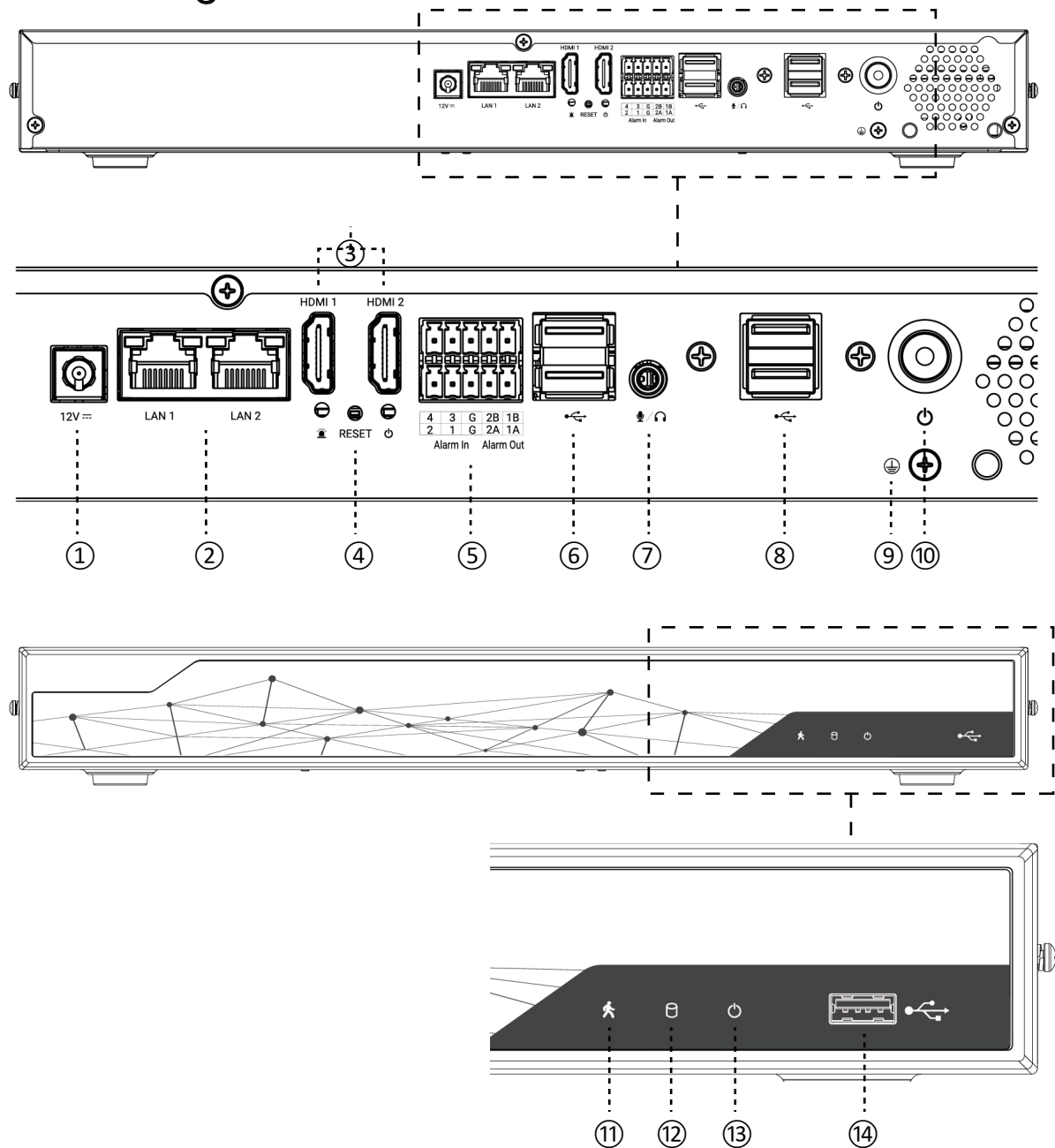
▶ SE0232R-K/Nx

	Model	SE0232R-K/NX
System	Main Processor	Intel Quad Core @3.40 GHz Max
	Memory	8GB LPDDR5
	Firmware Storage	32GB eMMC
	Operating System	Linux Ubuntu 24.04 LTS
	GPU Options	Integrated GPU
	TPM	fTPM
	System Compatibility	API, ONVIF, Network Optix API
	System Language	English, Traditional Chinese, French, Spanish, Italian, Japanese, Dutch, German, Polish, Ukrainian, Swedish, Danish, Icelandic, Norwegian, Finnish
Storage	HDD	2 × SATA ports, up to 24TB per disk, max 48TB total
	RAID	RAID1 (2* HDD)
	SSD	2* M.2 M-Key SSD, Support SSD health monitoring and fault alarm
	NAS	NAS mounting via web (NFS/SMB protocols)
	File Manager	Web-based file management (upload/download/move)
	Storage Mode	Continuous, Motion, Objects, Events, Dual Stream
Audio	Compression	G.711/AAC/G.726
	Audio Communication	2-way
	Audio Broadcast	ONVIF-based Audio Broadcast
Event	Basic Event	Audio Alarm, Network Disconnected, IP Address Conflict, SSD/HDD/RAID Full, SSD/HDD/RAID Uninitialized, SSD/HDD/RAID Error, No SSD/HDD/RAID, Low Voltage, ONVIF Alarm Input
	Alarm Action	Event-triggered audio alarm, ONVIF alarm output control, etc
Application	NX Witness Server	Support (include Plug-in)

	ONVIF Device	Support
Management	Web Management	Support (network, audio, storage, event, system configuration, etc.)
	Web File Manager	Support
	Smart Tool Lite	Built-in Smart Tool Lite: Supports cross-subnet camera search, IP editing, activation, etc.
	Maintenance	Firmware Upgrade, Auto Reboot, Scheduled Reboot, Factory Reset, etc.
Performance	Video Inputs	Max. 32CH
	Video Resolution	12MP ~ CIF
	Network Bandwidth	Max. 288 Mbps recording, Max. 288 Mbps outgoing
	Metadata Performance	128 targets/s (AI by Camera, store the database on the SSD) 42 targets/s (AI by Camera, store the database on the HDD)
	Video Compression	H.265, H.264, MJPEG
	Decoding Capability	NX Server: Support Hardware Decoding
	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)
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
Interface	Ethernet	2* 2500Mbps RJ45 Ethernet Port
	Link Aggregation	Active Backup, Link Aggregation Control Protocol (LACP), and Adaptive Load Balancing (ALB)
	HDMI Output	2 × HDMI Port (For Testing, CLI Output Only) HDMI1&2: 3840x2160/60Hz, 1920x1080/60Hz.

General		Simultaneous mode (simultaneously outputs video sources for HDMI1-2 ports).
	Audio	1x 3.5mm Headphone Jack with Microphone Input (4-pole, TRRS, CTIA Standard)
	Alarm I/O	4 Alarm input / 2 Alarm Output
	Back Panel Indicator Light	2 (Power & Alarm Light)
	Front Panel Indicator Light	3 (System & Storage & Power)
	Power Button	Yes
	Reset Button	Yes
	USB Interface	4* USB 3.0, 1* USB 2.0
	Power Supply	12V (Built-in 100-240V AC 80W power adapter)
	Consumption	Typical: 9W (Without HDD/SSD, DC),MAX: 39W (With 2* HDD, DC)
	Working Temperature	-10°C to 55°C
	Working Humidity	10% to 90% RH (no freezing and no condensation)
	Cooling System	Fan cooling
	Product Dimension	380mm(W) x 317.6mm(D) x 51.8mm(H)
	Installation	19-inch rack mounting or desktop placement
	Net Weight (Without HDD)	2.7 Kg
	Package Weight	4 Kg
	Warranty	3 Years

Structure Diagrams



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|-----------------|----------------------|--------------------|----------------|
| 1. Power Port | 5. Alarm IN/OUT Port | 9. Grounding Screw | 13. Power LED |
| 2. 2*LAN Port | 6. 2*USB3.0 | 10. Power Button | 14. 1* USB 2.0 |
| 3. 2*HDMI Port | 7. Audio In/Out Port | 11. Run LED | |
| 4. Reset Button | 8. 2*USB3.0 | 12. HDD LED | |

