

*Milesight*

# Milesight OpenVision Server

Deploy faster, manage smarter, and save more with OpenVision Server.



## KEY FEATURES

Ubuntu 22.04.4 LTS Desktop on M.2 SSD  
Nx Witness Server Preinstalled  
2 SATA Disks Support  
Calendar / Event / Bookmark / Smart Search  
Dual Stream Recording, N+M Failover Support  
Server Clustering Support  
HDMI, DP Display Port Support



Pre-installed VMS  
for Instant Setup



Linux-based &  
Stable Operation



EmpowerCamera Analytics  
on NX with Built-in Plugin



Secured Data with N+M  
Failover & Backup Storage



Cost-Effective &  
Streamlined Deployment



Multi-Instance Central  
Management

# Milesight OpenVision Server



|          |                     |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | Model               | SE0201-K/Nx                                                                                                                                                                                                                                                                                                                                                                                                        |
| Image    | Inputs              | Max. 16CH                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | Resolution          | 12MP ~ CIF                                                                                                                                                                                                                                                                                                                                                                                                         |
| System   | Main Processor      | Intel Celeron Series, 4C 4T @2.00 GHz                                                                                                                                                                                                                                                                                                                                                                              |
|          | Memory              | 2*4GB DDR4                                                                                                                                                                                                                                                                                                                                                                                                         |
|          | Network Interface   | 2*1000Mbps RJ-45 Ports                                                                                                                                                                                                                                                                                                                                                                                             |
|          | Operating System    | Linux Ubuntu 22.04.5 LTS Desktop                                                                                                                                                                                                                                                                                                                                                                                   |
|          | GPU Options         | Integrated GPU                                                                                                                                                                                                                                                                                                                                                                                                     |
|          | Auto Power On       | Support                                                                                                                                                                                                                                                                                                                                                                                                            |
| Record   | Video Compression   | H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                |
|          | Recording Bandwidth | Max. 144Mbps                                                                                                                                                                                                                                                                                                                                                                                                       |
|          | Resolution          | 12MP ~ CIF                                                                                                                                                                                                                                                                                                                                                                                                         |
|          | Mode                | Continuous, Motion, Events, Objects, Dual Stream                                                                                                                                                                                                                                                                                                                                                                   |
|          | Edge Analytics      | Analytics Events:<br><b>CCTV</b> (Intrusion Detection/ Region Entrance/ Region Exit/ Advanced Motion Detection/ Line Crossing/ Loitering/ Object Left/Object Removed/ Object Counting/ Regional People Counting);<br><b>LPR</b> (Attribute Event/ Black List/ White List/ Visitor Event/ Speed Monitoring/ No Plates/ Reverse Driving);<br><b>Object Detected Events</b> (person and vehicle with attribute/ face) |
|          |                     | Smart Search:<br><b>CCTV:</b> Person (Hat, Top Clothing Color, Bottom Clothing Color), Vehicle (Vehicle Type), Face (Gender, Age, Mask, Cap, Glasses);<br><b>LPR:</b> Vehicle (Color, Vehicle Type, Brand, Speed, Direction), License Plate (Number, Color, Country, Plate Type)                                                                                                                                   |
|          | Event Action        | Bookmark, Camera Output, Camera Recording, Do HTTP(S) Request, Execute PTZ Preset, Play Sound, etc.                                                                                                                                                                                                                                                                                                                |
| Storage  | Supported HDD       | Up to 20TB per disk                                                                                                                                                                                                                                                                                                                                                                                                |
|          | HDD Slot            | SATA*2                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protocol | Protocol            | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, SNMP(Client), HTTPS, ONVIF                                                                                                                                                                                                                                                                     |
| Audio    | Compression         | G.711/AAC/G.722/G.726                                                                                                                                                                                                                                                                                                                                                                                              |
|          | Audio Communication | 2-way                                                                                                                                                                                                                                                                                                                                                                                                              |

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|           |                     |                                                                                                                                                 |
|-----------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface | Ethernet            | 2*1000Mbps Ethernet Port                                                                                                                        |
|           | Display             | 2*HDMI Port, 1*DP Port<br>Note: Display ports are for system setup and diagnostics only. They do not support video playback or desktop display. |
|           | Audio               | 1*BNC In, 1*BNC Out                                                                                                                             |
|           | USB Interface       | Rear panel: 2*USB 2.0, 2*USB 3.0, 1*USB-C Port                                                                                                  |
|           | Power Supply        | AC 100-240V, 50-60Hz, DC 12V                                                                                                                    |
| General   | Consumption         | ≤30W (without HDD)                                                                                                                              |
|           | Working Temperature | 0°C to 35°C (32°F to 95°F)                                                                                                                      |
|           | Working Humidity    | 10% to 90% RH (no freezing and no condensation)                                                                                                 |
|           | Dimension           | 380mm(W) X 317.6mm(D) X 51.8mm(H)                                                                                                               |
|           | Weight              | 2.2 Kg                                                                                                                                          |
|           | Warranty            | 3 Years                                                                                                                                         |

Notice: Nx license is not included by default.

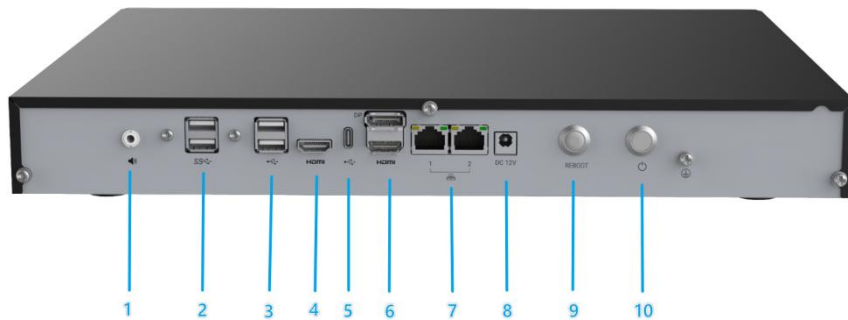
V1.1

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## Interfaces

SE0201-K/Nx



1-Audio

2-2\*USB 3.0

3-2\*USB 2.0

4-HDMI

Port

5-USB-C

6-DP Port and HDMI Port

7-2\*LAN Port

8-Power Port

9-Reboot Button

10-Power

Button

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