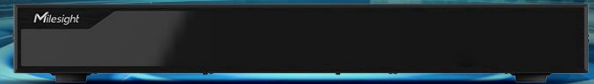


# Milesight Enterprise NVR 1U Series

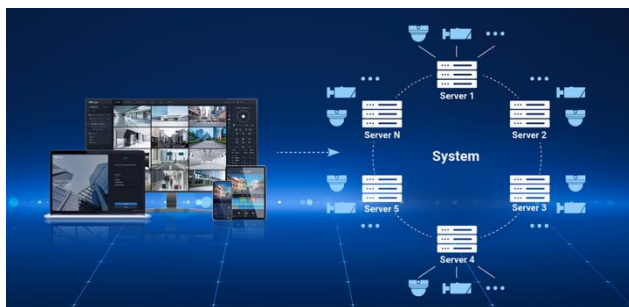
Milesight Enterprise NVR 1U Series provides a systematic and professional solution with video input, storage, transfer and device management functions. It is pre-loaded with the latest Windows-based Milesight VMS Enterprise system and pre-load licenses to deliver a ready to deploy solution.



**DATASHEET**

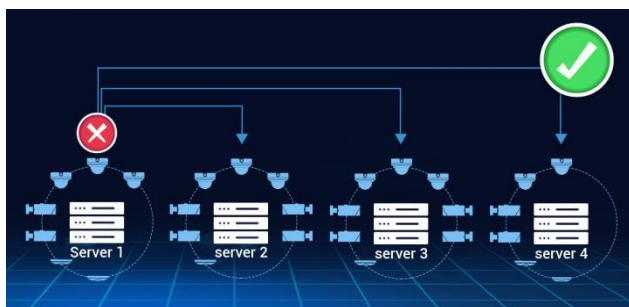
## KEY FEATURES

<b>Accessibility</b>	Client/Server Structure, Milesight VMS Enterprise inside (Windows Based).
<b>Flexible &amp; Scalable Storage</b>	Support expandable disk capacity of 1*20TB or 2*20TB.
<b>Reliability</b>	Support N+M Failover, Load Balancing and Secure Password.
<b>High Data Availability</b>	Freely form multi-server systems to achieve data concentration.
<b>Versatile Interfaces</b>	A whole array of ports provides all necessary features of effective surveillance.
<b>Auto Power System</b>	With hardware based power-on self-starting for care-free maintenance.
<b>Service Guarantee</b>	3-year, keep your appliance warranty.
<b>Compatibility</b>	Fully integrate with Milesight network camera, sensors and 3rd party network cameras.
<b>Green Energy Efficiency</b>	Low power consumption CPU is used to save energy.



### Out-of-the-box ready solution & Fine-grained management

- Pre-configured latest VMS system is free to install and configure in minutes.
- Client/Server architecture achieves centralized resource management.
- Device, Recording, Users & Roles, Event & Alarm Management and other complex needs can be met by one system.



### Reliability and Usability

- Load Balancing delivers increased scalability and flexibility.
- N+M Failover ensures uninterrupted recording and boosts risk resistance.

# Milesight Enterprise NVR 1U Series



	Model	VE0100-A	VE0201-A
<b>Devices</b>	Included Camera Access License	8	16
<b>Recording</b>	Recording Schedule	8	16
<b>Bandwidth</b>	Incoming Bandwidth	640Mbps	
	Outgoing Bandwidth	640Mbps	
<b>Decoding</b>	Video Format	MJPEG, H.264, H.265	
	Decoding Resolution	Up to 12 MP	
	Decoding Capability*	Display with 1080P Monitor 12MP(4000*3000)@20fps=6ch 8MP(3840*2160)@30fps=6ch 2MP(1920*1080)@30fps=8ch	Display with 1080P Monitor 12MP(4000*3000)@20fps=6ch 8MP(3840*2160)@30fps=6ch 2MP(1920*1080)@30fps=16ch
<b>Event &amp; Alarm</b>	Event and Alarm Rules	1000	
<b>Users &amp; Roles</b>	Concurrent Accesses via Clients, App Clients	300	
	Users	1000	
	Roles	100	
<b>Local Viewing</b>	Local Viewing	Support	
<b>System</b>	Main Processor	Intel 2.0 GHz Celeron Series	
	Memory	2*4GB DDR4	
	Network Interface	2*1000Mbps RJ-45 Ports	
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
	GPU Options	Integrated GPU	
	Auto Power On	Support	
<b>Auxiliary Interface</b>	HDD Drives (Video Data)	1*SATA (3.5" or 2.5")	2*SATA (3.5" or 2.5")
	SSD Drive (Operating System)	M.2 SSD(1*256 GB Pre-installed)	
	RAM	2* DDR4 2666 Slot (2*4GB Pre-installed) Support Up to 16GB Support Dual-Channel Mode	
	Capacity	Up to 20TB capacity for each disk	
	Recording Storage Capacity	Up to 1*20TB raw	Up to 2*20TB raw
	LAN	2*1000Mbps LAN	
	Display	2*HDMI Port, 1*DP Port Support independent and synchronous display	
	Audio	1*BNC In, 1*BNC Out	
<b>Auxiliary Interface</b>	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	

# Milesight Enterprise NVR 1U Series



<b>General</b>	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)X317.6mm(D)X51.8mm(H)
	Weight	2.2Kg
	Warranty	3 Years

\*The decoding data is achieved through hardware decoding, and the decoding performance varies based on the utilization of hardware resources. It is not recommended to use a 4K monitor for display.

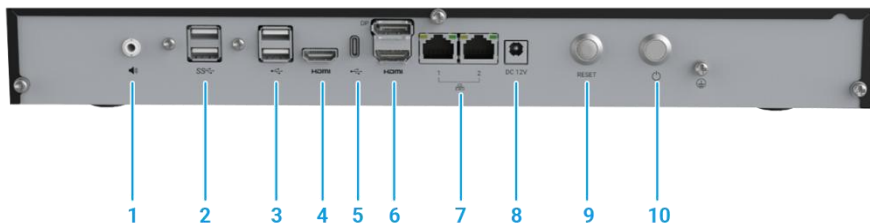
V1.0

# Milesight Enterprise NVR 1U Series



## Interfaces

VE0100-A/VE0201-A



- 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-Restart Button
- 10-Power Button

## Device Connection Topology

