

iSERIES NVR16

16ch Network Video Recorder with Embedded Plug&Play NVR



Main Features

- 200W power for the PoE connection, that is the total power overhead for all 16 ports.
- Up to 16 network cameras can be connected
- Support live view, storage, and playback of the connected camera with up to the resolution of 8 megapixels.
- Simultaneous HDMI and VGA output at 1920 × 1080 resolution.
- New GUI and support starting record with one key;
- Redundant recording, holiday recording and capture schedule configuration;
- Realize instant playback for assigned channel during multi-channel live view mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Smart search for the selected area in the video.
- Customization of tags, searching, and playback by tags.
- Up to 4 SATA hard disks and 1 eSATA disk can be connected, for both recording and backup.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.
- 1 self-adaptive 10M/100M/1000M network interface.
- Support Channel-zero encoding, which enables you to get a view in the remote client or web browser of 16 channels in one screen.
- Support network detection, including network delay, packet loss, etc.
- Adopt pioneering dual-OS design to ensure the security of system running.
- Connectable also to third-party network cameras such as Acti, Arecont, Axis, Bosch, Brickcom, Canon, Panasonic, Pelco, Samsung, Sanyo, Sony, Vivotek, Zavio and many other ONVIF compliant cameras.

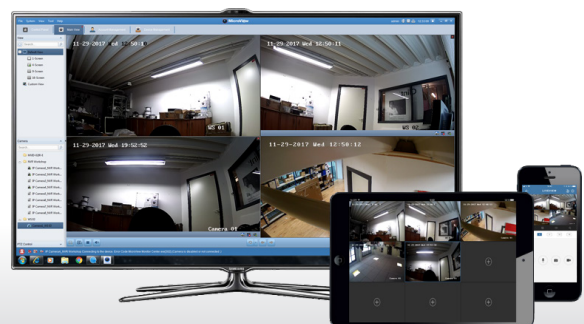
NVR16 (Network Video Recorder) is a new generation recorder which combines multiple advanced technologies, such as audio and video decoding technology, embedded system technology, storage technology, network technology and intelligent technology.

It works alone as a recorder and cooperates with other devices to build a comprehensive surveillance system. The NVR16 is widely applied in the areas of finance, public security, military, communication, transportation, and education.

MonitoringCenter included

- Management and live view from smartphones, tablets, browser, computers etc
- Receive SMS notifications
- Free Client and Mobile MonitoringCenter software

The client software MicroView MonitoringCenter is a centralized video management software using a distributed structure for surveillance device control and management. MonitoringCenter is designed to provide access and management to the connected multiple devices, including DVR, NVR, DVS, network camera and decoder. Using the client, you can easily live view the channels, record and store files, remotely configure the device parameters, control PTZ, get alarm information and respond, and display video on the TV wall.

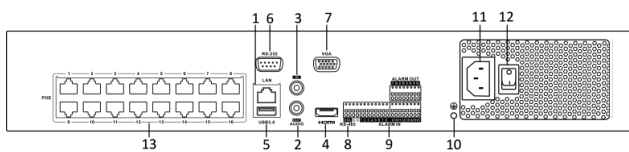


Product Specifications

Video/Audio input	IP video input	16-ch
Network	Incoming bandwidth	160Mbps
	Outgoing bandwidth	256Mbps
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF / DCIF/ 2CIF/CIF/QCIF
	HDMI output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	VGA output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (Linear, 1 KΩ)
	Synchronous playback	16-ch
	Capability	4-ch @ 4K, or 16-ch @ 1080p
Hard disk	SATA	4 SATA interfaces for 4HDDs
	Capacity	Up to 6TB capacity for each HDD
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Decoding	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4
	Live view / Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF / DCIF/ 2CIF/CIF/QCIF

External interface	Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface
	Serial interface	1 RS-485 (half-duplex), 1 RS-232, 1 keyboard (optional)
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
	Alarm in	16
	Alarm out	4
PoE	Interface	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
	Supported standard	IEEE 802.3 af/at
	Max. Power	≤ 200W
Others	Power supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
	Power	≤ 300 W
	Consumption (without harddisk)	≤ 20 W (without enabling PoE)
	Working temperature	-10 °C ~ +55 °C
	Working humidity	10 % ~ 90 %
	Chassis	19-inch rack-mounted 1.5U chassis
	Dimensions (W × D × H)	445 × 390 × 70 mm 17.5 × 15.3 × 2.8 inch
Weight	≤ 5 kg (11 lb)	
MicroView Partner		MVINVR-16POE-E

Physical Interfaces



1. LAN Network Interfaces
2. AUDIO OUT
3. AUDIO IN
4. HDMI Interface
5. USB 3.0 Interface
6. RS-232 Serial Interface
7. VGA Interface
8. RS-485 Serial Interface
9. ALARM IN and ALARM OUT
10. GND
11. 100 to 240 VAC Power Input
12. Power Switch
13. Network Interfaces with PoE function

Notes

- Each PoE port supports 30W power at most.
- The total consumption of connected IP cameras cannot exceed the power provided by NVR.
- The formula to calculate the cameras to connect via the PoE interface is: $C1 * N1 + C2 * N2 + \dots + Cn * Nn \leq T$.
- Cn refers to the power consumption of an IP camera.
- Nn refers to the number of camera(s) which has the Cn consumption.
- T refers to the PoE power provided by NVR.

PoE Power Overhead

The MVINVR-16POE-E provides 200W power for the PoE connection, that is the total power overhead for all 16 ports.