

HiLook HL-NVR-216MH-K-16P

16-Channel PoE Network Video Recorder • HDMI 4K • H.265+ • Intelligent Analytics

The HiLook HL-NVR-216MH-K-16P is a professional 16-channel network video recorder for larger CCTV installations. It integrates 16 built-in PoE ports for true plug-and-play camera deployment, supports efficient H.265+ compression, and provides up to 160 Mbps incoming bandwidth to handle multi-camera 4K/8 MP systems with ease. For monitoring, it offers independent HDMI (up to 4K) and VGA outputs. Smart capabilities include facial recognition functions, Motion Detection 2.0, and Perimeter Protection (by device and by camera). Dual SATA bays allow large storage (up to 16 TB per HDD), while IEEE 802.3af/at PoE (<= 200 W total) and a Gigabit LAN interface make deployment clean and scalable.

Key Features

- 16-channel IP input with 16x PoE (plug-and-play)
- H.265+ for efficient storage and bandwidth usage
- Up to 160 Mbps incoming bandwidth
- HDMI up to 4K plus VGA (independent outputs)
- Intelligent analytics: facial recognition, Motion Detection 2.0, Perimeter Protection
- 2x SATA bays, up to 16 TB per HDD
- Two-way audio (RCA) and 4 alarm in / 1 out for integration
- IEEE 802.3af/at PoE with <= 200 W total budget
- Gigabit LAN, ONVIF compatible

Intelligent Analytics

AI by Device	Facial recognition, perimeter protection, motion detection 2.0
AI by Camera	Facial recognition, perimeter protection, throwing objects from building, motion detection 2.0, ANPR, VCA
Facial Functions	Face picture comparison, human face capture, face picture search
Face Library	Up to 16 libraries; up to 20,000 face pictures in total (each <= 4 MB; total <= 1 GB)
Analytics Performance	Facial detection: 1-ch, 8 MP; Face comparison: 4-ch

Video and Audio

IP Video Input	16-ch
Incoming / Outgoing Bandwidth	160 Mbps / 160 Mbps
HDMI Output	1-ch, up to 4K (3840x2160)/30 Hz; 2560x1440/60 Hz; 1920x1080/60 Hz; 1600x1200/60 Hz; 1280x1024/60 Hz; 1280x720/60 Hz; 1024x768/60 Hz
VGA Output	1-ch, 1920x1080/60 Hz; 1280x1024/60 Hz; 1280x720/60 Hz
Video Output Mode	HDMI/VGA independent output
Audio Output / Two-Way	1-ch RCA (2.0 Vp-p, 1 KOhm) / 1-ch RCA (Linear, 1 KOhm)

Decoding

Decoding Format	H.265/H.265+/H.264+/H.264
Recording Resolution	12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous Playback	16-ch
Decoding Capability	AI ON: 2-ch@12 MP / 3-ch@8 MP / 6-ch@4 MP / 12-ch@1080p; AI OFF: 2-ch@12 MP / 4-ch@8 MP / 8-ch@4 MP / 16-ch@1080p
Stream Type / Audio Codec	Video; Video & Audio / G.711ulaw, G.711alaw, G.722, G.726, AAC

Network

Remote Connections	128
API / Protocols	ONVIF (Profile S/G), SDK, ISAPI / TCP/IP, DHCP, IPv4/IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP, HTTP/HTTPS
Network Interface	1 x RJ-45 10/100/1000 Mbps Ethernet

PoE

Interfaces	16 x RJ-45 10/100 Mbps self-adaptive Ethernet
Power Budget	<= 200 W
Standard	IEEE 802.3af/at

Auxiliary Interfaces

SATA / Capacity	2 x SATA; up to 16 TB per HDD
USB	Front: 1 x USB 2.0; Rear: 1 x USB 2.0
Alarm I/O	4 in / 1 out

General

Power Supply / Consumption	100-240 VAC, 50/60 Hz / <= 15 W (without HDD & PoE off)
Operating Temperature / Humidity	-10 C to 55 C / 10% to 90%
Dimensions (W x D x H)	385 x 315 x 52 mm (15.2 in x 12.4 in x 2.0 in)
Weight	<= 3 kg (without HDD)
Compliance	CE, FCC, IC, CB, KC, UL, RoHS, REACH, WEEE, RCM, UKCA, BIS