Homaxi

NVR604E-16P16

16 Channel 1.5U 4HDD 16POE Network Video Recorders

Key Features

- 16CH IP Video input, up to 12MP
- H.265+/H.265 dual-stream video compression
- Incoming/Outgoing bandwidth: 160Mbps/256Mbps
- Decoding: 16CH 1080P@30fps/8CH 4MP@30fps/6CH 5MP@30fps/4CH 4K@30fps
- Supports mainstream cameras of ONVIF and RTSP protocol
- VGA/HDMI asynchronous video output, maximum resolution of HDMI is 4K
- AI by camera: SMD, perimeter protection, face detection, etc.

Professional and Reliability

- H.265+ compression effectively reduces storage requirements by up to 75%
- Third-party cloud storage integration –Google Drive and Dropbox for video backup

Stability

- Automatic network replenishment

Third-Party Compatibility

- Supports ONVIF and RTSP protocols for seamless integration with third-party cameras

Smart search and playback

- Smart search and smart playback for the smart events triggered by humans or vehicles

HD Video Output

- Provide asynchronous HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 4 SATA interfaces (up to 18 TB capacity per HDD)
- 16-ch synchronous playback
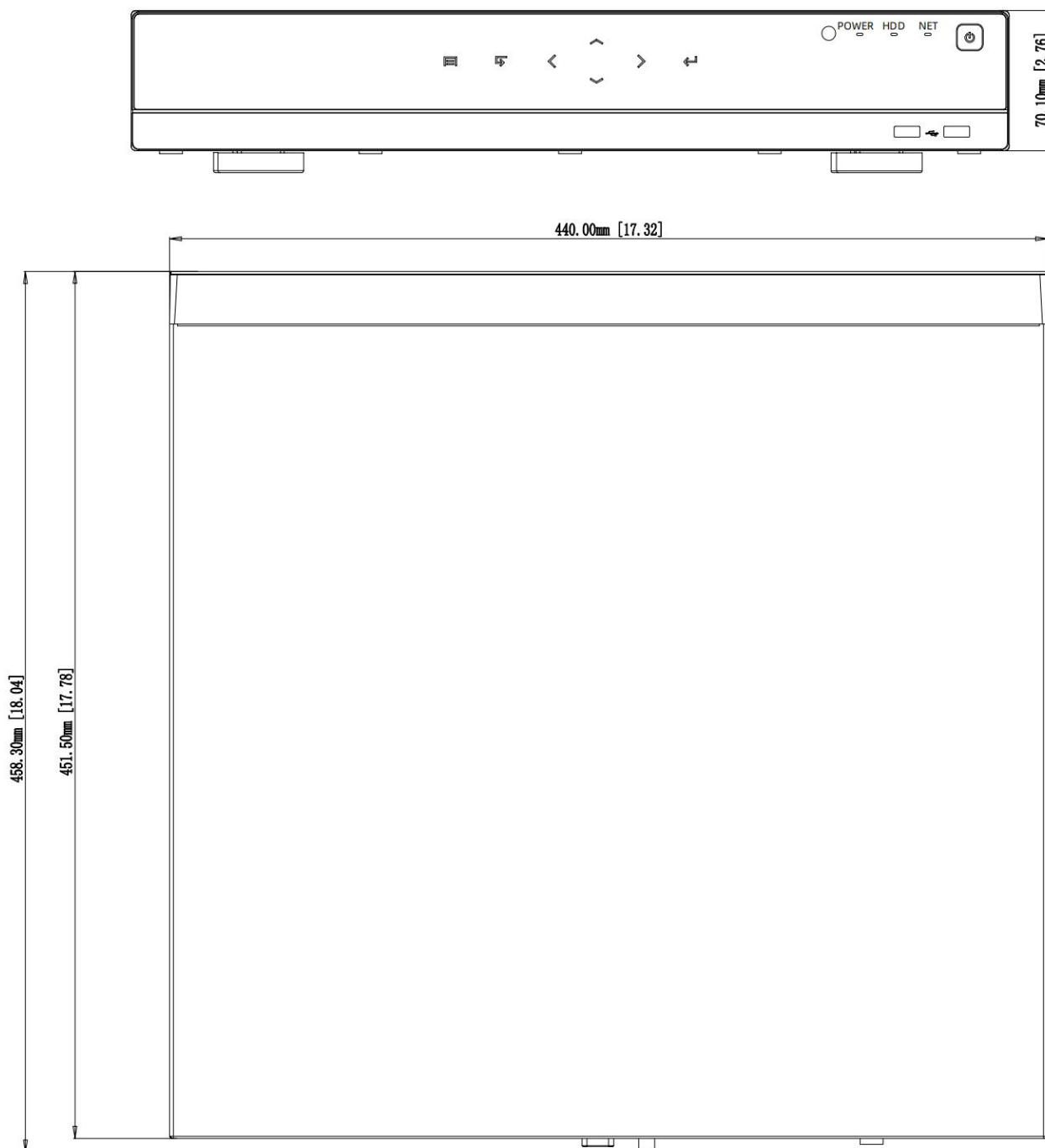
Network & Ethernet Access

- 16 independent PoE network interfaces supported long distance transmit
- 1 self-adaptive 10/100/1000Mbps Ethernet interface
- Homaxi-view for easy network management
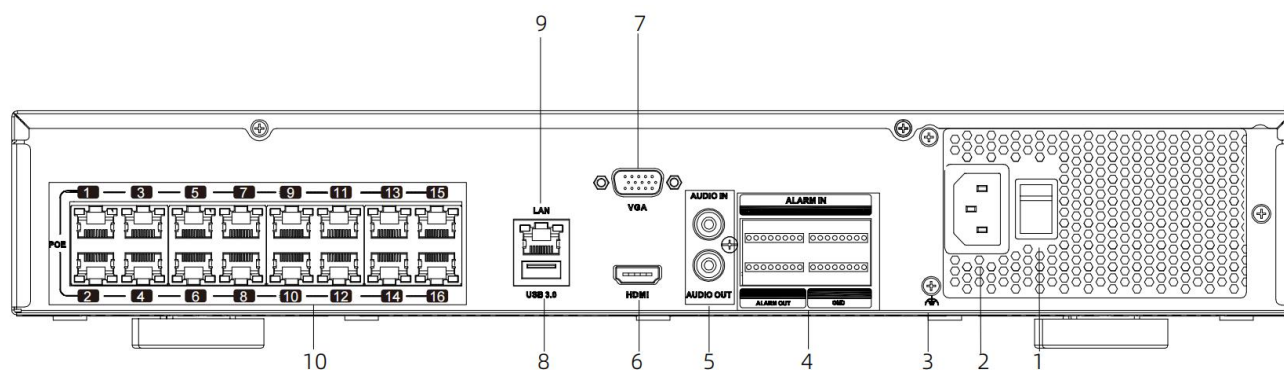
Specification

Video & Audio Input	
IP Video Input	16 ch
Audio Input	1 ch, RCA (Linear, 1kΩ)
Video & Audio Output	
HDMI	4 K (3840 × 2160) / 30 Hz, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
VGA	1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
Audio Output	1ch, RCA (Linear, 1kΩ)
Recording	
Compression	H.265+/H.265/H.264+/H.264
Resolution	12MP/8MP/5MP/4MP/3MP/1080P/720P/D1/CIF/QCIF
Bit Rate	64 Kbps ~ 10 Mbps
Playback & Backup	
Playback Resolution	12MP/8MP/5MP/4MP/3MP/1080P/720P/D1/CIF/QCIF
Decoding Capability	2ch @ 12M 20fps 4ch @ 8M 30fps 6ch @ 5M 30fps 8ch @ 4M 30fps 16ch @ 1080P 30fps
Synchronous Playback	16 ch
Playback Mode	Smart Playback/Normal/Time Division/Label/Event
Backup Mode	USB Device/Network/eSATA
Advanced Features	
Smart Detection By Camera	Area Intrusion, Line crossing, Region Entrance /Region Exiting, Fast Moving, Object Missing, Unattended Object, Loitering Detection, Parking Detection, Face Detection, People Gathering Detection, Blurred detection, Scene change detection, Audio exception detection, SMD, PP
Smart Playback	Face detection/Line Crossing/Are Intrution/Motion Detection/Human Detection/Vehicle Detection

Cloud Storage	Support
Cloud Upgrade	Support
Network	
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
Ethernet	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Protocols	HTTPs, HTTP, TCP/IP, IPv4, UPnP, RTSP, UDP, SMTP, SNMP, Multicast, NTP, DHCP, DNS, IP Filter, DDNS, FTP, P2P, ONVIF
Mobile Surveillance	IOS, Android
Hard Disk	
SATA	4 SATA interface
Capacity	Up to 18TB capacity for each HDD
External Interface	
POE Interface	16 independent 10/100 Mbps PoE Ethernet interfaces
USB Interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0
eSata	1 x eSATA
RS 485	2
Alarm In	16 ch
Alarm Out	4 ch
General	
Operating Conditions	(-10°C ~ 55°C) (14°F ~ 131°F) Humidity 10% to 90%
Power Supply	AC 100 ~ 240V
Power Consumption	MAX. 20 W (without HDD and POE)
Dimensions (W × D × H)	17.32" × 17.64" × 2.76", 1.5U (440 × 448 × 70 mm)
Gross Weight	13.89 lb (6.4 KG)

Dimensions

POWER HDD NET

70.10mm [2.76]

440.00mm [17.32]

458.30mm [18.04]

451.50mm [17.78]

Rear Panel

No.	Description	No.	Description
1	Power Switch	6	HDMI Port
2	Power Input	7	VGA Port
3	Ground	8	USB Port
4	Alarm Input	9	Network Port
5	Audio IN/OUT RCA	10	POE Network Port