

HWT-NVR800-A02-16P

HOLOWITS

Technical Specifications

16-channel 2-disk network video recorder



Features

High performance and flexibility

- 16-channel network video access and 168 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Two SATA ports
- Multiple Camera intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

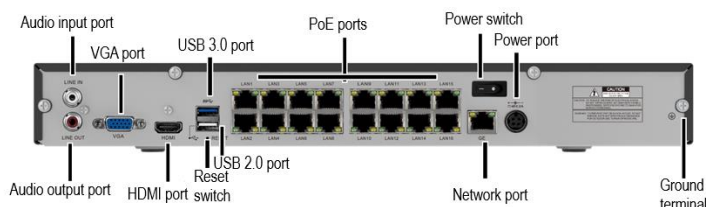
Usability and maintenance

- 16 built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HOLOWITS CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

Physical Ports



Product Model	HWT-NVR800-A02-16P
Controllers	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
Performance	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps; 2MP (1080p): 8-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with HOLOWITS Cameras to enable the AI function.
Video output	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16 panes
Storage capacity	
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
Recording	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
Compatibility	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	HOLOWITS SDK and ONVIF
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Maintenance	
Management mode	Web and LDUI
Log type	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
External ports	
Network port	1 x 10/100/1000 Mbit/s Ethernet port; 16 x PoE port (10/100 Mbit/s Ethernet port)
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
PoE	
Port	16 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 142 W
Others	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 13 W (excluding hard disk and PoE output)
Power supply	48 V/3.75 A
Dimensions	Equipment dimensions 54 mm (H) x 300 mm (W) x 302 mm (D) Package dimensions 95 mm (H) x 480 mm (W) x 370 mm (D)
Shelf	1 U
Weight	Net Weight 2.3 kg (excluding hard disks) Gross Weight 2.9kg (excluding hard disks)
Certification	
Certification	CE, RoHS, WEEE, CCC and CQC

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Product selector

Scan the QR code on the right to view and compare specifications of HOLOWITS products and select the best camera for you.