

HWT-NVR800-A01-4P

Technical Specifications

8-channel 1-disk network video recorder



Features

High performance and flexibility

- 8-channel network video access and 80 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- One SATA port
- 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 8-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.

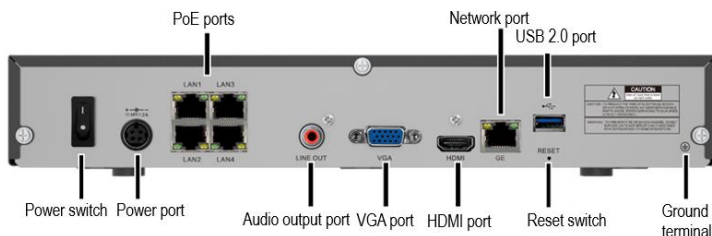
Usability and maintenance

- Four built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- 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-A01-4P
Controllers	
CPU	32-bit multi-core high-performance processor
Memory	4 GB (DDR3)
Performance	
Video input	8 channels, 80 Mbit/s access
Video forwarding	64 Mbit/s
Playback/Download	64 Mbit/s playback
Local decoding	8MP (4K): 1-channel 30 fps; 4MP: 2-channel 30 fps; 2MP (1080p): 4-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 panes
Storage capacity	
Disks	1
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	8-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, 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 LDU
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; 4 x PoE port (10/100 Mbit/s Ethernet port)
USB port	2 x USB 2.0 port (one on the front panel and one on the rear panel)
Audio input	N/A
Audio output	1 channel, RCA port
PoE	
Port	4 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 52.5 W
Others	
Operating temperature	0° C to 45° C
Operating humidity	20% to 90%
Power consumption	≤ 5 W (excluding hard disk and PoE output)
Power supply	48 V/1.5 A
Dimensions	Equipment dimensions 54 mm (H) x 300 mm (W) x 227 mm (D) Package dimensions 100 mm (H) x 425 mm (W) x 270 mm (D)
Shelf	1 U
Weight	Net Weight 1 kg (excluding hard disks) Gross Weight 1.4kg (excluding hard disks)
Certification	
Certification	CE, RoHS, WEEE, CCC and CQC