HWT-IVS1800-C08-4T

HOLOWITS

64-Channel Intelligent Micro Edge

Intelligent analysis | Safevideo+ | Video buffering | Alarm linkage | PTZ / PTZ control | Human-machine interface

Features

High performance and flexible applications

- 64-channel network video access, 320 Mbit/s video input bandwidth (160 Mbit/s storage with intelligent services enabled)
- Hybrid storage of video and images
- Algorithm plug-in integration and management
- Single-node and multi-node networks ,High reliability
- SafeVideo+ technology, ensuring that data is still readable and writable in remaining normal disks even upon a RAID 5 failure
- Video buffering, ensuring video data integrity
- Recording lock, preventing important recordings from being overwritten within a specified period
- Data Safe, enabling dual backup of key system data
- Embedded Linux operating system, ensuring 24/7 stable running and protecting the system from hackers and viruses

Multiple intelligent analysis functions

- Provides multiple intelligent analysis functions, including target analysis, person analysis, smart tracking, and behavior analysis.

Easy deployment and maintenance

- Free of system disks and available upon device startup
- Plug-and-play and automatic discovery and configuration
- Status indicators, facilitating device and disk maintenance

Standard Accessories

4 TB enterprise-level disk
6 TB enterprise-level disk
6 TB surveillance-level disk
8 TB enterprise-level disk
16 TB enterprise-level disk

Technical Specifications

Product Model	HWT-IVS1800-C08-4T
Controller	
Compute power	4 TOPS
Memory	8 GB DDR4
Intelligent analysis	
Image-based target analysis	24 channels (1080p, 0.5 partial image per second for each channel); 12 channels (4K, 1 partial image per second for each channel);
Video-based target analysis	4 channels (1080p, 60 targets per minute for each channel); 1 channel (4K, 60 targets per minute for each channel)
Video-based person analysis	2 channels (1080p, 60 persons per minute for each channel); 1 channel (4K, 60 persons per minute for each channel)
Behavior analysis	Perimeter detection: 2 channels (tripwire crossing detection, intrusion detection, area entry/exit detection, loitering detection, and fast movement detection)
Intelligent search	
Number of target alert reference lists	32
Total target library capacity	300,000 records
Target hot data search	< 3s
Target feature storage	5 million records
Personal feature cold data search	< 10s
Number of vehicle alert reference lists	5
Total vehicle library capacity	50,000 records
Structured data storage	Up to 1.2 million person records and 2 million vehicle records
Performance	
Video input	64-channel access at 320 Mbit/s (160 Mbit/s storage with intelligent services enabled)
Video forwarding	64-channel forwarding at 320 Mbit/s (160 Mbit/s with intelligent services enabled)
Playback and download	32-channel playback at 160 Mbit/s
Platform performance	
Camera access	64 cameras connected to one server
Client	iClient (installed on PCs), managing up to 16 servers
Local system login	The LDU supports only one user at a time.
iClient login	Supports 32 users.
Video output	
HDMI	Two HDMI ports for outputs from different sources: one HDMI 2.0 port with 4K output resolution and one HDMI 1.4 port with 1080p output resolution
VGA	External conversion cables can be used to extend VGA ports.
Preview	Primary screen: 1/4/8/9/16/32 panes; secondary screen: 1/4/8/9/16 panes
Storage capacity	
Number of disks	8
Disk port	SATA 3.0
Disk type	Enterprise-level disks: 4 TB, 6 TB, 8 TB, or 16 TB Surveillance-level disks: 6 TB System storage: 32 GB eMMC
RAID level	RAID 0, RAID 1, and RAID 5
Recording	
Recording mode	Manual recording, scheduled recording, and alarm-triggered recording
Recording playback	LDU: multi-channel playback and segment-based playback iClient: one- or more-channel recording playback on the video wall
Recording protection	SafeVideo+, recording lock, and resumable transfer
Search mode	By time or event
Download mode	High-speed download, batch download, download by time segment, and onboard recording download
Security	
Media security	Multiple encryption algorithms such as AES256
Watermark	Digital watermarks can be added to the video from cameras and alarms are generated when the video is tampered with.
Reliability	
Media transmission	Bandwidth adaptation, forward error correction (FEC) 1.0, super error concealment (SEC) 2.0, and multicast
Data Safe	Two copies of key system data are stored. If a fault occurs, service data can be automatically restored.
Compatibility	
Video format	H.264, H.265, and MJPEG
Device access	SDK, GB/T 28181, and ONVIF standards
Network protocols	TCP (reliable transmission), UDP (transmission protocol), RTP (data protocol), RTSP (real-time transmission protocol), RTCP (real-time transport control protocol), HTTP (hypertext transmission), SNMP (simple network management), NTP (network time calibration), SMTP (email service), DHCP (automatic IP address obtaining), SSH (Secure Shell), SFTP (secure file transfer), and FTP (file transfer)
Platform access	Connected to the platform through GB/T 28181 or ONVIF for services such as live video viewing, recording playback, PTZ controls, and alarm reporting (only for NVRs)
Management and maintenance	
Management mode	C/S client and LDU client
Log download	Operation and run logs
External ports	
Network port	2 x 10/100/1000 Mbit/s Ethernet ports; support for the load balancing and multi-address modes
USB port	3 x USB ports (2 x USB 2.0 ports on the front panel and 1 x USB 3.0 port on the rear panel)
Audio input	1 RCA port
Audio output	1 RCA port
Alarm port	4 alarm-in ports and 2 alarm-out ports
Others	
Environment requirements	Operating temperature: –5°C to +55°C Operating humidity: 20% to 90%
Power supply	110–220 V AC, 200 W
Power consumption (including hard disks)	124 W
Fan	Intelligent rate control
Dimensions (H x W x D)	86.1 mm x 447 mm x 470 mm
Chassis	2 U
Weight (without hard disks)	6.6 kg
Certification	
Certification	CE, RoHS, REACH, WEEE, CE, CB, CCC, CQC, GB/T 28181 commercial inspection by multiple countries, and HDMI

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