HWT-IVS1800-D08-1T

64-Channel Sensing Edge



Features

- > High performance and flexibility
- 64-channel network video access and 320 Mbit/s video input bandwidth
- Hybrid storage of video and images
- Algorithm plug-in integration and management
- Supports single-node and multi-node networks, featuring high reliability
- SafeVideo, ensuring that data is still readable and writable in remaining normal disks upon a RAID5 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 to ensure 24/7 stable running, protecting the system from hacker attacks and viruses
- > Multiple intelligent analysis functions
- Works with HOLOWITS SDCs to provide multiple intelligent analysis functions, including target analysis, person analysis, vehicle analysis, smart tracking, and behavior analysis.
- > Easy to deploy and maintain
- 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 disk 6 TB enterprise disk 8 TB enterprise disk 16 TB enterprise disk

6 TB monitoring disk

Technical Specifications

Product Model	HWT-IVS1800-D08-1T
Controller	
Computing power	1 TOPS
CPU	64-bit high-performance 8-core processor
Memory	8 GB (DDR4 2400)
Intelligent analysis	6 channels (1080p, 0.5 partial image/second/camera); 3 channels (4K, one partial image/second/camera)
Video-based target analysis	2 channels (1080p, 60 images/minute/channel); 1 channel (4K, 60 images/minute/channel)
Video-based vehicle analysis	2 channels (1080p, 60 vehicles/minute/channel); 1 channel (4K, 60 vehicles/minute/channel)
Video-based person analysis	2 channels (1080p, 60 persons/minute/channel); 1 channel (4K, 60 persons/minute/channel)
Behavior analysis	Perimeter detection: 2 channels (tripwire crossing detection, intrusion detection, area entry/exit detection, loitering detection, and fast movement detection)
Intelligent search	
Maximum number of target alert	32
reference lists Total capacity of target lists	300.000
Target hot data search	< 3s
Target feature storage capacity	
Personal feature cold data	
search	< 10s
Maximum number of vehicle	5
alert reference lists	
Total capacity of vehicle lists	50,000
Structured data storage capacity Device performance	Up to 1.2 million target records and 2 million vehicle records
Video access	64 channels, 320 Mbit/s
Video forwarding	64 channels, 320 Mbit/s
Playback/Download	32 channels, 160 Mbit/s
Platform performance	
Camera access Client	A single device supports access of up to 64 cameras. iClient (installed on a computer); A device supports access from up to two clients at the same time.
LDU login	The LDU supports two screens.
Maximum number of registered	
users on the iClient	32
Video output	
HDMI	Two HDMI 2.0 ports
VGA	External conversion cables can be used to extend VGA ports.
Preview Storage capacity	Primary screen: 1/4/8/9/16/32/64 panes; secondary screen: 1/4/8/9/16 panes
Storage capacity Disk quantity	8
Disk port	SATA 3.0
	Enterprise disks: 4 TB, 6 TB, 8 TB, or 16 TB
Disk type	Monitoring 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
	LDU: multi-channel simultaneous playback and segment-based playback
Recording playback Recording protection	IClient: single-channel playback and multi-channel simultaneous playback on the video wall SafeVideo, recording lock, and resumable upload
Recording query method	By time or event
Recording download method	High-speed download, batch download, download by time segment, and onboard recording
	download
Security Media security	Multiple encryption algorithms such as AES256 are supported for data transmission.
	Digital watermarks can be added to video from cameras. Alarms are generated when video is
Watermark	tampered with.
Reliability	
Media transmission	Adaptive bandwidth, 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	Huawei SDK, GB/T 28181, and ONVIF standards
Network protocol	TCP, UDP, RTP, RTSP, RTCP, HTTP, SNMP, NTP, SMTP, DHCP, SSH, SFTP, FTP, and RTSP
Platform access	Connected to the platform through GB/T 28181, ONVIF, or GA/T 1400 for services such as
Management/Maintenance	live video viewing, recording playback, PTZ control, and alarm reporting (only for NVRs)
Management mode	Local display unit (LDU) or client/server (C/S) (iClient S100/iClient S200)
Log download	Operation and run logs
External ports	
Network port	2 x GE electrical 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 Audio output	One RCA port One RCA port
Alarm port	16 alarm-in ports and 4 alarm-out ports
Others Environment requirements	Operating temperature: -5°C to +55°C Operating humidity: 20% to 90%
Others	
Others Environment requirements	Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W
Others Environment requirements Power supply Power consumption (including disks) Fan	Operating humidity: 20% to 90% 110–220 V AC, 200 W 124 W Intelligent speed control
Others Environment requirements Power supply Power consumption (including disks) Fan Product dimensions (H x W x D)	Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W Intelligent speed control 86.1 mm x 447 mm x 470 mm
Others Environment requirements Power supply Power consumption (including disks) Fan Product dimensions (H x W x D) Chassis	Operating humidity: 20% to 90% 110–220 V AC, 200 W 124 W Intelligent speed control 86.1 mm x 447 mm x 470 mm 2 U
Others Environment requirements Power supply Power consumption (including disks) Fan Product dimensions (H x W x D)	Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W Intelligent speed control 86.1 mm x 447 mm x 470 mm

HOLOWITS

HWT-IVS1800-D16-1T Technical Specifications

128-Channel Sensing Edge



Features

- High performance and flexibility >
- 128-channel network video access and 512 Mbit/s video input . bandwidth
- Hybrid storage of video and images н.
- Algorithm plug-in integration and management
- Supports single-node and multi-node networks, featuring high н. reliability
- SafeVideo, ensuring that data is still readable and writable in . remaining normal disks upon a RAID5 failure
- Video buffering, ensuring video data integrity .
- Recording lock, preventing important recordings from being н. overwritten within a specified period
- Data Safe, enabling dual backup of key system data н.
- Embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses
- Multiple intelligent analysis functions ≻
- Works with HOLOWITS SDCs to provide multiple intelligent . analysis functions, including target analysis, person analysis, vehicle analysis, smart tracking, and behavior analysis.
- Easy to deploy and maintain \geq
- 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 disk 6 TB enterprise disk 8 TB enterprise disk 16 TB enterprise disk

6 TB monitoring disk

Product Model	HWT-IVS1800-D16-1T
Controller	
Computing power	1 TOPS
CPU	64-bit high-performance 8-core processor
Memory	8 GB DDR4 2400
Intelligent analysis	6 channels (1080p, 0.5 partial image/second/camera); 3 channels (4K, one partial image/second/camera)
Video-based target analysis	2 channels (1080p, 60 images/minute/channel); 1 channel (4K, 60 images/minute/channel)
Video-based vehicle analysis	2 channels (1080p, 60 vehicles/minute/channel); 1 channel (4K, 60 vehicles/minute/channel)
Video-based person analysis	2 channels (1080p, 60 persons/minute/channel); 1 channel (4K, 60 persons/minute/channel)
Behavior analysis	Perimeter detection: 2 channels (tripwire crossing detection, intrusion detection, area entry/exit detection, loitering detection, and fast movement detection)
Intelligent search	
Maximum number of target	32
alert reference lists	
	300,000
Target hot data search	< 3s
Target feature storage capacity Personal feature cold data	< 10s
search Maximum number of vehicle	
alert reference lists	5
Total capacity of vehicle lists	50,000
Structured data storage	Up to 1.2 million target records and 2 million vehicle records
capacity Device performance	
Video access	128 channels, 512 Mbit/s
Video forwarding	128 channels, 512 Mbit/s (64 channels and 320 Mbit/s if intelligent analysis is enabled)
Playback/Download Platform performance	32 channels, 160 Mbit/s
	A single device supports access of up to 128 cameras.
	iClient (installed on a computer); A device supports access from up to two clients at the same
Client	time.
LDU login	The LDU supports two screens.
Maximum number of registered users on the iClient	32
Video output	
HDMI	Two HDMI 2.0 ports
VGA	External conversion cables can be used to extend VGA ports.
Preview	Primary screen: 1/4/8/9/16/32/64 panes; secondary screen: 1/4/8/9/16 panes
Storage capacity Disk quantity	16
Disk quantity Disk port	SATA 3.0
	Enterprise disks: 4 TB, 6 TB, 8 TB, or 16 TB
Disk type	Monitoring disks: 6 TB
RAID level	System storage: 32 GB eMMC RAID 0, RAID 1, and RAID 5
Recording	
Recording mode	Manual recording, scheduled recording, and alarm-triggered recording
Recording playback	LDU: multi-channel simultaneous playback and segment-based playback
	iClient: single-channel playback and multi-channel simultaneous playback on the video wall
Recording protection Recording query method	SafeVideo, recording lock, and resumable upload By time or event
	High-speed download, batch download, download by time segment, and onboard recording
Recording download method	download
Security	
Media security	Multiple encryption algorithms such as AES256 are supported for data transmission.
Watermark	Digital watermarks can be added to video from cameras. Alarms are generated when video is tampered with.
Reliability	a comported mith
	Adaptive bandwidth, 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	Huawei SDK, GB/T 28181, and ONVIF standards
Network protocol	TCP, UDP, RTP, RTSP, RTCP, HTTP, SNMP, NTP, SMTP, DHCP, SSH, SFTP, FTP, and RTSP
Platform access	Connected to the platform through GB/T 28181, ONVIF, or GA/T 1400 for services such as
	live video viewing, recording playback, PTZ control, and alarm reporting (only for NVRs)
Management/Maintenance	
Management/Maintenance Management mode	Local display unit (LDU) or client/server (C/S) (iClient S100/iClient S200)
Management mode Log download	Local display unit (LDU) or client/server (C/S) (iClient S100/iClient S200) Operation and run logs
Management mode Log download External ports	Operation and run logs
Management mode Log download External ports Network port	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes
Management mode Log download External ports Network port USB port	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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)
Management mode Log download External ports Network port	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes
Management mode Log download External ports Network port USB port Audio input Audio output Alarm port	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port
Management mode Log download External ports Network port USB port Audio input Audio output Alarm port	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port One RCA port 16 alarm-in ports and 4 alarm-out ports
Management mode Log download External ports Network port USB port Audio input Audio output Alarm port Others	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C
Management mode Log download External ports Network port USB port Audio input Audio output Alarm port Others Environment requirements	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port One RCA port 16 alarm-in ports and 4 alarm-out ports
Management mode Log download External ports Network port USB port Audio input	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 250 W (1 power supply by default; dual powers supplies optional)
Management mode Log download External ports Network port USB port Audio input Audio uitput Alarm port Others Environment requirements Power supply Power consumption (including disks)	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port 10 ne RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110–220 V AC, 250 W (1 power supply by default; dual powers supplies optional) 171.2 W
Management mode Log download External ports Network port USB port Audio output Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks) Fan	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port 16 alarm-in ports and 4 alarm-out ports 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 250 W (1 power supply by default; dual powers supplies optional) 171.2 W Intelligent speed control
Management mode Log download External ports Network port USB port Audio input Audio output Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks) Fan Product dimensions (H x W x D)	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port 10 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 250 W (1 power supply by default; dual powers supplies optional) 171.2 W Intelligent speed control 133 mm x 440 mm x 445 mm
Management mode Log download External ports Network port USB port Audio output Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks) Fan	Operation and run logs 2 x GE electrical ports, support for the load balancing and multi-address modes 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) One RCA port 16 alarm-in ports and 4 alarm-out ports 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 250 W (1 power supply by default; dual powers supplies optional) 171.2 W Intelligent speed control

HOLOWITS

HWT-IVS1800-D08-4T Technical Specifications

64-Channel Sensing Edge



Features

- High performance and flexibility >
- 64-channel network video access and 320 Mbit/s video input н. bandwidth
- Hybrid storage of video and images н.
- Algorithm plug-in integration and management
- Supports single-node and multi-node networks, featuring high . reliability
- SafeVideo, ensuring that data is still readable and writable in . remaining normal disks upon a RAID5 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 н.
- Embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses
- Multiple intelligent analysis functions ≻
- Works with HOLOWITS SDCs to provide multiple intelligent . analysis functions, including target analysis, person analysis, vehicle analysis, smart tracking, and behavior analysis.
- Easy to deploy and maintain ≻
- 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 disk 6 TB enterprise disk

8 TB enterprise disk 16 TB enterprise disk

6 TB monitoring disk

Product Model	HWT-IVS1800-D08-4T
Controller	
Computing power	4 TOPS
CPU	64-bit high-performance 8-core processor
Memory	8 GB (DDR4 2400)
Intelligent analysis	24 channels (1080p, 0.5 partial image/second/camera); 12 channels (4K, one partial image/second/camera)
Video-based target analysis	8 channels (1080p, 60 images/minute/channel); 1 channel (4K, 60 images/minute/channel)
Video-based vehicle analysis	6 channels (1080p, 60 vehicles/minute/channel); 1 channel (4K, 60 vehicles/minute/channel)
Video-based person analysis	6 channels (1080p, 60 persons/minute/channel); 1 channel (4K, 60 persons/minute/channel)
Behavior analysis	Perimeter detection: 8 channels (tripwire crossing detection, intrusion detection, area entry/exit detection, loitering detection, and fast movement detection)
Intelligent search	
Maximum number of target	32
alert reference lists	
Total capacity of target lists Target hot data search	300,000 < 3s
Target feature storage capacity	
Personal feature cold data	< 10s
search Maximum number of vehicle	
alert reference lists	5
Total capacity of vehicle lists	50,000
Structured data storage	Up to 1.2 million target records and 2 million vehicle records
capacity	op to 1.2 million target records and 2 million vehicle records
Device performance	64 abannala 200 Mhitla
Video access Video forwarding	64 channels, 320 Mbit/s 64 channels, 320 Mbit/s
Video forwarding Playback/Download	32 channels, 160 Mbit/s
Playback/Download Platform performance	
Camera access	A single device supports access of up to 64 cameras.
Client	iClient (installed on a computer); A device supports access from up to two clients at the
	same time.
LDU login	The LDU supports two screens.
Maximum number of registered	32
users on the iClient	
Video output HDMI	Two HDMI 2.0 ports
VGA	External conversion cables can be used to extend VGA ports.
Preview	Primary screen: 1/4/8/9/16/32/64 panes; secondary screen: 1/4/8/9/16 panes
Storage capacity	······································
Disk quantity	8
Disk port	SATA 3.0
Disk type	Enterprise disks: 4 TB, 6 TB, 8 TB, or 16 TB Monitoring disks: 6 TB
	System storage: 32 GB eMMC
RAID level	RAID 0, RAID 1, and RAID 5
Recording	Manual association, as he dole discussed in a send of some twice sound as a solution.
Recording mode	Manual recording, scheduled recording, and alarm-triggered recording LDU: multi-channel simultaneous playback and segment-based playback
Recording playback	iClient: single-channel playback and multi-channel simultaneous playback on the video wall
Recording protection	SafeVideo, recording lock, and resumable upload
Recording query method	By time or event
Recording download method	High-speed download, batch download, download by time segment, and onboard recording
Security	download
Media security	Multiple encryption algorithms such as AES256 are supported for data transmission.
	Digital watermarks can be added to video from cameras. Alarms are generated when video
Watermark	is tampered with.
Reliability	
Media transmission	Adaptive bandwidth, 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	Huawei SDK, GB/T 28181, and ONVIF standards
Network protocol	TCP, UDP, RTP, RTSP, RTCP, HTTP, SNMP, NTP, SMTP, DHCP, SSH, SFTP, FTP, and RTSP
Diatforms and	Connected to the platform through GB/T 28181, ONVIF, or GA/T 1400 for services such as
Platform access	live video viewing, recording playback, PTZ control, and alarm reporting (only for NVRs)
Management/Maintenance	
Management mode	Local display unit (LDU) or client/server (C/S) (iClient S100\iClient S200)
Log download	Operation and run logs
External ports Network port	2 x GE electrical ports, support for the load balancing and multi-address modes
	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)
	, in (= in the participant and in a constraint of the participant of t
USB port Audio input	One RCA port
USB port	One RCA port One RCA port
USB port Audio input Audio output Alarm port	
USB port Audio input Audio output	One RCA port 16 alarm-in ports and 4 alarm-out ports
USB port Audio input Audio output Alarm port	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90%
USB port Audio input Audio output Alarm port Others Environment requirements Power supply	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C
USB port Audio input Audio output Alarm port Others Environment requirements Power supply Power consumption (including	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90%
USB port Audio input Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks)	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110–220 V AC, 200 W 124 W
USB port Audio input Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks) Fan	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W Intelligent speed control
USB port Audio input Audio output Alarm port Others Environment requirements Power consumption (including disks) Fan Product dimensions (H x W x D	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W 124 W Intelligent speed control Intelligent speed control Intelligent speed control Intelligent speed control
USB port Audio input Audio output Alarm port Others Environment requirements Power supply Power consumption (including disks) Fan	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W Intelligent speed control
USB port Audio input Audio output Alarm port Others Environment requirements Power consumption (including disks) Fan Product dimensions (H x W x D Chassis	One RCA port 16 alarm-in ports and 4 alarm-out ports Operating temperature: -5°C to +55°C Operating humidity: 20% to 90% 110-220 V AC, 200 W 124 W Intelligent speed control Intelligent speed control Intelligent speed control 86.1 mm x 447 mm x 470 mm 2 U 6.6 kg

HOLOWITS

HWT-IVS1800-D16-4T Technical Specifications

128-Channel Sensing Edge



Features

- High performance and flexibility >
- 128-channel network video access and 512 Mbit/s video input bandwidth
- Hybrid storage of video and images н.
- Algorithm plug-in integration and management
- Supports single-node and multi-node networks, featuring high н. reliability
- SafeVideo, ensuring that data is still readable and writable in . remaining normal disks upon a RAID5 failure
- Video buffering, ensuring video data integrity .
- Recording lock, preventing important recordings from being н. overwritten within a specified period
- Data Safe, enabling dual backup of key system data н.
- Embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses
- Multiple intelligent analysis functions ≻
- Works with HOLOWITS SDCs to provide multiple intelligent . analysis functions, including target analysis, person analysis, vehicle analysis, smart tracking, and behavior analysis.
- Easy to deploy and maintain \geq
- 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 disk 6 TB enterprise disk 8 TB enterprise disk 16 TB enterprise disk

6 TB monitoring disk

Product Model	HWT-IVS1800-D16-4T
Controller	
Computing power	4 TOPS
CPU	64-bit high-performance 8-core processor
Memory	8 GB (DDR4 2400)
Intelligent analysis Image-based target analysis	24 channels (1080p, 0.5 partial image/second/camera); 12 channels (4K, one partial image/second/camera)
	4 channels (1080p, 60 images/minute/channel); 1 channel (4K, 60 images/minute/channel)
Video-based target analysis Video-based vehicle analysis	4 channels (1080p, 60 vehicles/minute/channel); 1 channel (4K, 60 vehicles/minute/channel)
Video-based person analysis	4 channels (1080p, 60 persons/minute/channel); 1 channel (4K, 60 persons/minute/channel)
Behavior analysis	Perimeter detection: 4 channels (tripwire crossing detection, intrusion detection, area entry/exit detection, loitering detection, and fast movement detection)
Intelligent search	, , ,
Maximum number of target	32
alert reference lists	
Total capacity of target lists	300,000
Target hot data search	< 3s
Target feature storage capacity Personal feature cold data	
search	< 10s
Maximum number of vehicle	5
alert reference lists	
Total capacity of vehicle lists Structured data storage	50,000
capacity	Up to 1.2 million target records and 2 million vehicle records
Device performance	
Video access	128 channels, 512 Mbit/s
Video forwarding	128 channels, 512 Mbit/s (64 channels and 320 Mbit/s if intelligent analysis is enabled)
Playback/Download	32 channels, 160 Mbit/s
Platform performance	
Camera access Client	A single device supports access of up to 128 cameras. iClient (installed on a computer); A device supports access from up to two clients at the same time.
LDU login	The LDU supports two screens.
Maximum number of registered users on the iClient	32
Video output	
HDMI	Two HDMI 2.0 ports
VGA	External conversion cables can be used to extend VGA ports.
Preview Storage capacity	Primary screen: 1/4/8/9/16/32/64 panes; secondary screen: 1/4/8/9/16 panes
Disk quantity	16
Disk port	SATA 3.0
	Enterprise disks: 4 TB, 6 TB, 8 TB, or 16 TB
Disk type	Monitoring 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
	LDU: multi-channel simultaneous playback and segment-based playback
Recording playback	iClient: single-channel playback and multi-channel simultaneous playback on the video wall
Recording protection	SafeVideo, recording lock, and resumable upload
Recording query method Recording download method	By time or event High-speed download, batch download, download by time segment, and onboard recording
-	download
Security	Multiple second the should be AFCOFC and supported for data to second size
Media security	Multiple encryption algorithms such as AES256 are supported for data transmission. Digital watermarks can be added to video from cameras. Alarms are generated when video
Watermark	is tampered with.
Reliability	
Media transmission	Adaptive bandwidth, 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	Huawei SDK, GB/T 28181, and ONVIF standards
Network protocol	TCP, UDP, RTP, RTSP, RTCP, HTTP, SNMP, NTP, SMTP, DHCP, SSH, SFTP, FTP, and RTSP
Platform access	Connected to the platform through GB/T 28181, ONVIF, or GA/T 1400 for services such as
Management/Maintenance	live video viewing, recording playback, PTZ control, and alarm reporting (only for NVRs)
Management mode	Local display unit (LDU) or client/server (C/S) (iClient S100/iClient S200)
Log download	Operation and run logs
External ports	
Network port	2 x GE electrical 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 Audio output	One RCA port One RCA port
Alarm port	16 alarm-in ports and 4 alarm-out ports
Others	
	Operating temperature: -5°C to +55°C
Environment requirements	Operating humidity: 20% to 90%
Power supply	110–220 V AC, 250 W (1 power supply by default; dual powers supplies optional)
Power consumption (including	171.2 W
disks) Fan	Intelligent speed control
Product dimensions (H x W x D	
Chassis	3 U
Weight (without disks)	10.8 kg
Certification	
Outside the Chinese mainland	CE and HDMI

HOLOWITS

Outside the Chinese mainland CE and HDMI