DS-2HK72HDNAS-JD
Ultra CVR

The series storage is a high-performance, highly reliable, modular controller product; it support video direct stream storage technology, reducing recording server costs.

It supports VRAID technology, allowing video recording services to remain uninterrupted even when multiple hard disks are damaged. It also supports access of third-party cameras via the ONVIF protocol.

The user-friendly switching interface makes it more convenient and worry-free for users.

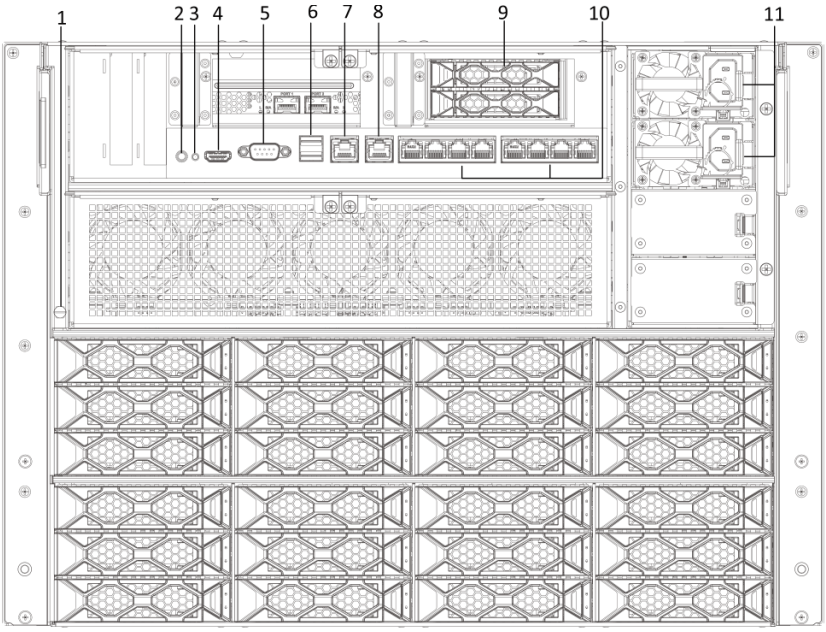
- Video direct stream storage technology reduce recording server costs
- VRAID technology allowing video recording services to remain uninterrupted even when multiple hard disks are damaged.
- Energy efficient and user-friendly UI
- Supports hot-swappable system disks (RAID 1 is optional)
- High performance: supports up to 1,024 channels at 2,048 Mbps total bandwidth.
- Supports 2 PCIe expansion slots(optional to 4).
- Supports 8 × 2.5 GbE ports.
- Supports dual power supplies (expandable to 4).

▪ Specification

Performance Parameter	
Video Direct Storage (Timed Recording)	Incoming: 1024-channel (bandwidth: 2048 Mbps) Outgoing: bandwidth: 2048 Mbps Playback: 200-channel (bandwidth: 400 Mbps)
Video Direct Storage (Event Recording)	Incoming: 200-channel (bandwidth: 400 Mbps) Outgoing: bandwidth: 2048 Mbps Playback: 200-channel (bandwidth: 400 Mbps)
Video Direct Storage (Recording Backup)	Incoming: 512-channel (bandwidth: 2048 Mbps) Outgoing: bandwidth: 2048 Mbps Playback: 200-channel (bandwidth: 400 Mbps)
Picture Direct Storage	Incoming: bandwidth: 2048 Mbps (512 images/s @ 500KB/image) Outgoing: bandwidth: 400 Mbps
Device Maintenance	
Alarm Linkage	Sound, notifying surveillance center, sending email, recording linkage
Anomaly Alarm	Storage exception, network exception, power exception, temperature exception, fan malfunction
Log Downloading	Download on web page
Network	
Network Protocol	HTTP; HTTPS; IPv4; SMTP; NTP; DHCP; DNS; SNMP; SADP
Interoperability	ONVIF (Profile S,T); ISAPI; SDK
Browser	Chrome; Firefox; Edge; Safari
Network Mode	Active-Backup; XOR Mode; 802.3ad; Self-Adaptive Load Balancing (Virtualized)
General Specification	
Chassis	8U
Power Supply	200-240 VAC, 50/60Hz, 2 redundant power supplies (expandable to 4)
Power consumption	Working(all HDDs connected): ≤ 1540W(5255 BTU/hr) Working(without HDD): ≤ 605W(2064 BTU/hr) Rated: ≤ 1600W(5459 BTU/hr)
Fan	Intelligent speed regulation fan
Net Weight	58 kg (127.87 lb)
Gross Weight	86 kg (189.60 lb)
Dimension (W × H × D)	447 × 350 × 787 mm (17.6 × 13.78 × 30.96 in)
Working temperature	5 °C to 40 °C (+41 °F to +104 °F)
Working humidity	20% to 80%RH (non-condensing/frozen)
Storage temperature	-20 °C to 70 °C (-4 °F to +158 °F)
Storage humidity	5% to 90%RH (non-condensing/frozen)
Installation	Standard 19 inch rack
Language	English, Vietnamese, Thai, Turkish, Arabic, Spanish, Portuguese, Russian, Chinese
VMS Support	HCP, HCM
Snapshot	Supported
Rail	Provided as accessory
Certifications	CB,CE-EMC,CE-LVD,RCM,Transport Identification
System	
Main Processor	64-bit multi-core processor
Operating System	LINUX FAROS

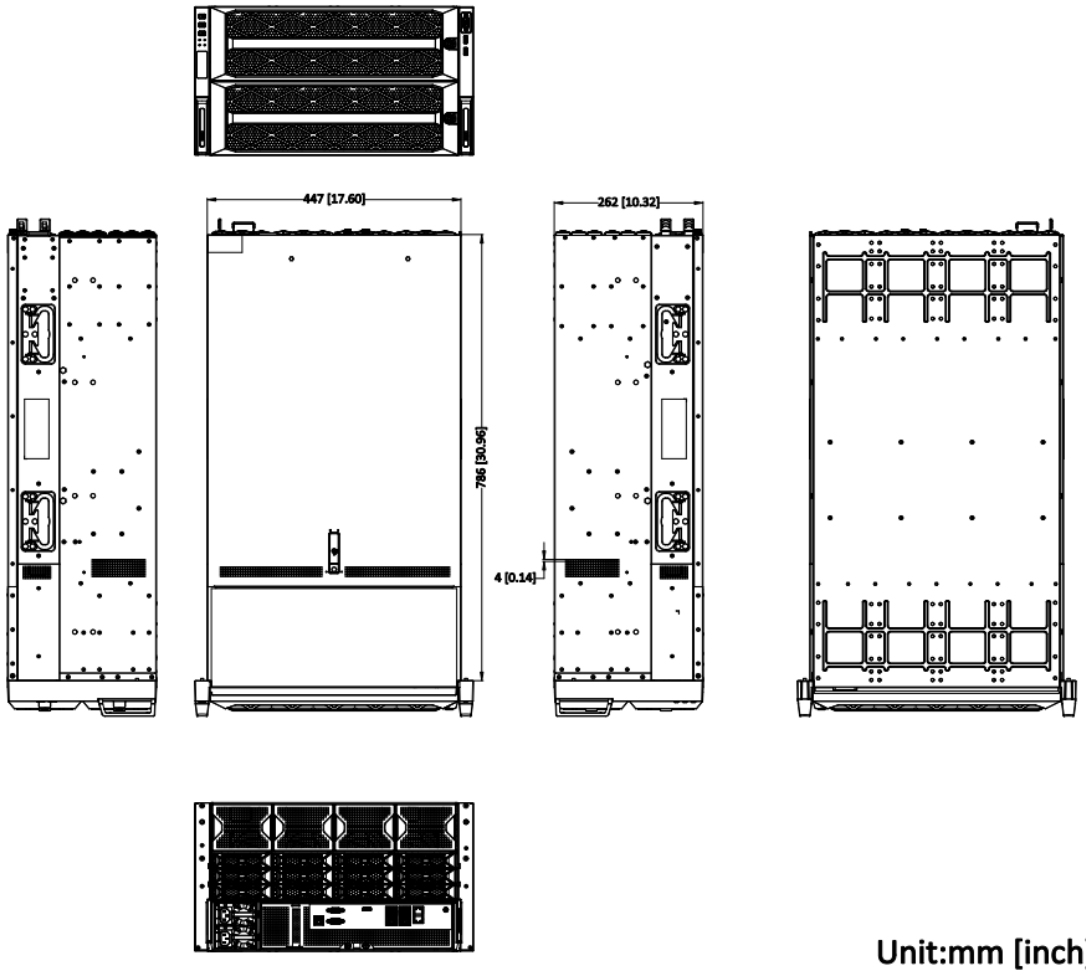
Operating Interface	Web
Controller	Single controller
Cache	16 GB by default (extendable to 128 GB)
System Disk	Supports hot-swappable system disks (RAID 1 is optional)
Failover	
Failover	N+1
Video Protection	
Backup	Recording Backup
Video Protection	ANR
Audio and Video	
Access Channel	1024
Multi-Screen Display	Customized display, max 16-channel web live view
Third-Party Camera Access	ONVIF; RTSP
Compression Standard	
Video Compression	H.265+; H.265; H.264+; H.264
Audio Compression	G.711ulaw; G.711alaw; G.722; G.726; AAC; MP2L2
Recording Playback	
Multi-Channel Playback	Web playback, max 16-channel playback
Recording Management	Recording modes: continuous, event-based, motion detection. Supports locking key video
Playback Function	1. Play, pause, stop, fast forward, fast backward, reverse playback, single frame 2. Full screen, backup (clip/file), capture, digital zoom, audio on/off, aspect ratio, window split
Storage	
RAID	RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60, RAID5(VRAID), RAID6(VRAID), Hot-Spare
Storage Pool	Video and Picture pool management
HDD slot	72
HDD Interface/Capacity	SATA/4 TB, 6 TB, 8 TB, 10 TB, 16 TB, 20 TB
HDD Hot-Swapping	Supported
HDD support	Enterprise Hard Disk
Disk Management	Disk inspection, smart alarm and repair
Port	
HDMI	1 × Rear
VGA	1 × Front
COM	1 × RS-232 serial interface
USB	2 × USB 2.0 (Front) 2 × USB 3.0 (Rear)
Management Network Interface	1 × 1G Ethernet interface
Data Network Interface	8 × 2.5G Ethernet interface 2 × 10G Ethernet interface
IPMI	Supported
Network Port Extension	4 × GbE or 2 × GbE or 1 × GbE or 2 × 10GbE (optional)
Indicator	Hdd indicator, power indicator, location indicator, status indicator, network indicator, alarm indicator

▪ Physical Interface



Number	Description	Number	Description
1	GND	7	IPMI Interface
2	Power Indicator	8	Management Network Interface
3	Running Status Indicator	9	System Card
4	HDMI Interface	10	2.5 Gb LAN Interface
5	RS-232 Interface	11	Power Supply
6	USB 3.0 Interface		

▪ Dimension



Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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