

## DH-EVS5036S-R

### 512 Channel Embedded Video Storage



### Features

- > Dual controller architecture, ensure the system reliability
- > 64-bit high-performance multi-core processors, ensure the massive data processing stability
- > Modular, pull-out, Cablese Design, keep system easy-maintainability
- > Support SAS multiple cascade, external SAS interface bandwidth bi-directional 192Gbps, ensure the system storage capacity expansibility
- > 36 HDDs in Single device, single system up to 240 HDDs, capacity up to 1440TB
- > Up to 4-1000Mbps Ethernet ports, and 2-10000Mbps Ethernet ports
- > Support 3.5 inch, 2.5inch SAS/SATA (1T/ 2T/ 3T/ 4T/ 6T) HDDs, which can mixed different capacity HDDs
- > Support HDD hot-swap, online replacement, online expansion
- > Support standard iSCSI protocol and video stream direct recording
- > Under video stream direct record mode, support 1024Mbps video recording and 128Mbps network playback
- > Under video stream transmit mode, support 4096Mbps front-end access; 4096Mbps network transmit

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- > Under IPSAN working mode, storage bandwidth  $\geq 2.4\text{Gbps}$
- > Support RAID0/ 1/ 5/ 6/ 10/ 50/ 60/ JBOD, hot-spare, ensure the security of storage data
- > Support standard protocol such as Onvif/ GB28181, ensure the compatibility with different front-end vendor
- > Provide WEB configuration and management, easy to setup
- > Optimize software and hardware of surveillance functions, also support other surveillance products as a complete solutions
- > Completely standard equipment, compatible with various software platform

### Technical Specifications

Model	EVS5036S-R
Controller	Single Controller
Memory	4G Standard, up to 128G
SAS interface	2 SAS interfaces
1000 Mbps Ethernet port	1 management port, 4 data port
Expansion	4-1000Mbps Ethernet port or 2-10000Mbps Ethernet port
USB	2 USB3.0
Serial	1 RS232
HDD compatibility	Support 1TB / 2TB / 3TB / 4TB / 6TB HDD Support mixed SATA HDDs, support SSD & 2.5 inch HDD
Power redundant	Dual power supply redundant
Main processor	64 - bit high-performance multi-core processors
Operating System	Embedded LINUX
User interface	WEB
IPSAN mode	Support IPSAN direct recording storage
IPSAN function	Support logic volume dynamic online expansion
Network protocol	Support RTP/RTCP/RTSP/UDP/HTTP/NTP/SNMP/iSCSI/SMB/NFS/FTP protocol
Streaming media protocol	Support access protocol such as Onvif, GB28181
Frame extracting storage	Support frame extracting storage, time and frame extracting rate can be settled
Cluster service	Support N+M cluster
Performance index	Up to 512ch(1024Mbps) front-end access、storage、transmit, 64ch (128Mbps) network playback
Hard disk	36 HDDs, expandable up to 240 HDDs
HDD install	Independent HDD holder
HDD Hot Standby	support hot-swappable, on-line replacement
HDD using mode	Single HDD、RAID0、1、5、6、10、50、60、JBOD、Hot-Spare

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HDD management	Non-working HDD sleep, in favor of heat dissipation and power consumption reduction, prolong life-span of HDD
HDD processing	Support HDD bad tracks mapping, extend life-span of HDDs
HDD status inspection	Support HDD preview before use, periodic inspection during use
One-click RAID	RAID Support one-click set RAID immediately
RAID set-and-play	RAID can be used directly after settled
RAID reset	Support adjust RAID reset speed dynamically, ensure system load balance
RAID write synchronous	Support RAID write synchronous, ensure to data safety
Video playback	Support WEB-client video playback; support search by second; adjustable playback speed
Port property	Support Ethernet-port binding or mode such as load balance, fault-tolerant
Power supply	100V~240V, 47~63Hz, 3 power(2+1 Redundancy) support hot-swap
Fan	flabellum diameter: 80mm, support hot-swap
Power Consumption	200~400W (include HDD)
Working temperature	0°C~40°C
Working Humidity	10%~80% (non-condensation)
Storage Temperature	-20°C~70°C
Storage Humidity	5%~90% (non-condensation)
Working Elevation	-60m~5000m
Chassis	Hot-dip galvanized steel sheet (1.2mm thickened) High-precise aluminum alloy slide Self-patent drawer-type HDD rack
Dimension(W×D×H)	494mm*483mm*175mm (with lug)
Weight	27Kg (exclude external packing, exclude HDD)
Mounting	19 feet standard rack-mounted

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\*Design and specifications are subject to change without notice.

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