

24-HDD Enterprise Video Storage

Model: VH5024S



- **64-bit Intel Processor**
- **Max 512 IP Camera Inputs**
- **Max 1536Mbps Incoming/recording Bandwidth**
- **24 HDDs, SAS, Hot-Swap**
- **Supports RAID 0/1/3/4/5/6/10/50/60/JBOD, Hotspare**
- **iSCSI and Mini SAS for Expanded Storage Space**
- **Support standard iSCSI Protocol Storage**
- **Modular & Cable less Design**
- **Redundant Power**

Specification:

System	
Main Processor	64-bit high-performance Intel processor
Controller	Dual controller
User Interface	Web
Memory	4GB by default (expendable upto 32GB)
Operating System	Embedded LINUX
Video Stream Mode	Max 512 channel 1024Mbps for incoming/recording 512Mbps for incoming/recording/forwarding (128Mbps) network playback
Transfer Mode	4096Mbps front-end connection
IP SAN Mode	Storage bandwidth shall not be less than 3.6Gbps
HDD Amount	24 HDDs, Up to 8 TB capacity for each HDD SAS HDD composite connection
HDD Mode	Single, RAID 0/1/3/4/5/6/10/50/60(Enterprise-level)
HDD Installation	Additional HDD bracket, HDD hot-swap, HDD online replacement
Mini SAS	2 miniSAS ports on each controller, for storage extension
IP Camera Input	512 Channel
Record Interval	1 ~ 120 min(default 60 min) Pre-record 1 ~ 30 sec, Post-record 10 ~ 300 sec. I frame storage by period.
Record Rate	1024Mbps
Record Mode	Manual, Schedule(Regular, Continuous), Motion Detection, Alarm
USB	2 USB 3.0
Multiplex Interface	2 USB 2.0 & eSATA multiplex interface
RS232	2 Ports, for PC communication and Keyboard
RS485	2 Ports, for PTZ control
Network	
Interface	2 management RJ-45 ports (10/100/1000Mbps) 2 x 4 data RJ-45 ports (10/100/1000Mbps) Expansion Interface: 2 x 2 Giga Optical Fiber Interface
Network Mode	Multi-address, Fault-tolerance, Load balance, Link
Max. User Access	128 users
Interoperability	ONVIF 2.4, CGI Conformant
Network Function	PPPoE, DDNS, iSCSI, SMB, NFS, FTP, Alarm Server, IP Search, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTP, RTCP,
Storage Management	
HDD Manager	Non-working HDD hibernation to guarantee sound ventilation, reduce power consumption and enhance HDD life span HDD bad track mapping to enhance HDD life span
Cluster Service	N+M cluster service
ANR	After disconnection, system can download the record file from the SD card on the network camera to maintain the full record file.

Note: Design & Specification are subject to change without prior notice.

Extract Frame	Support extracting P frame function. Customized extracting period and frame rate setup.
RAID Rebuild	Dynamically adjust RAID rebuild speed to guarantee system load balance
Playback and Backup	
Playback Function	Play, Pause, Stop, Fast play, Slow play, Full screen, Backup selection, Digital zoom
Search Mode	Time/Date, Channel, Alarm, MD and Exact Search (accurate to second)
Backup Mode	USB Device/Network/eSATA Device
Third-party Support	
Third-party Support	Dahua, AEBell, Arecont, AXIS, Dynacolor, HIKVISION, LG, Panasonic, PSIA, Samsung, Sony, Vivotec, and more
Electrical	
Power Supply	AC100V ~ 240V, 47 ~ 63 Hz
Power Consumption	< 400W (With HDD)
Mechanical	
Dimensions	4U, 482.6mm x 494.0mm x 175.0mm ; (19.0" x 19.4" x 6.9")
Weight	15kg (33.1 lb)
Construction	1.2mm extra-thickness hot-dip galvanized steel. High accuracy aluminum alloy slider. Self-developed patent removable HDD bracket.
Environmental	
Temperature	0°C ~ +40°C (+32°F ~ +104°F), 10 % ~ 80% RH
Relative Humidity Rating	0% to 85%, non-condensing IP65
Working Altitude	- 60m ~ 3000m
Regulatory	
Emissions	FCC: Part 15, Class B CE: EN 55013
Immunity	CE: EN50130-4
Safety	EU: 73/23/EEC LVD

