

CP-UVS-G24R-J

24HDD Embedded Video Storage

- Max 256 IP Camera Inputs
- 24 HDDs, SAS, Hot-Swap
- Max 512Mbps incoming/recording/forwarding bandwidth
- Standard dual controller for hardware redundancy
- 64-bit High-performance multi-core processor
- Supports RAID 0/1/5/6/10/50/60, JBOD, global and private hot standby
- Supports video stream/ Picture direct storage mode and IPSAN storage mode
- Supports Automatic Network Replenishment (ANR)
- SAS cascade for expanded storage space
- 1+1 redundant 80PLUS platinum power supply
- Modular and drawer-like design



System Overview

Centralized Storage Management is the need of the hour now when surveillance data is more important now to store safely than ever. There is too much at stake if the storage technology that your surveillance system has cannot be relied upon. Making the UVS storage technology highly reliable as well as more robust, CP PLUS has introduced it meet the needs of varying sized facilities, ranging from government institutes and departments to universities and airports. The efficiency of the UVS storage technology surpasses others as it is compatible with numerous third-party devices and supports multi-user access.

RAID 0/1/3/4/5/6/10/50/60

RAID 0/1/3/4/5/6/10/50/60 is a unique version of RAID that used something called the RAID parity. This technique uses parity information or bonus data to calculate any lost information. This ingrained feature in this UVS enables support for data loss, making it more proficient in data recovery.



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Functions

Hot Standby

Understanding the need of the hour, this NVR has been crafted through using the greatly-reliable redundant Hot Standby design which presents a secure, failsafe way of ensuring immediate backup of the video from your security solution.

ANR Technology

The automatic network replenishment technology has eased conducting surveillance manifolds by automatically storing the video data on an IP Camera SD card when the network is disconnected to prevent losing the video feed even for a single second. And so, whenever the network has been recovered next, the data is automatically transferred to the NVR.

Storage Extension Capacity

This UVS storage technology has one more feature that makes it the most effective centralized storage management system. It has the ability to increase its capacity through storage extension without any further hassle, making it quite easy to use.

Hot-Swap

Hot swapping is the replacement or addition of components to a computer system without stopping, shutting down, or rebooting the system; hot-plugging describes the addition of components only. This improves the UVS storage technology's working process.

iSCSi

This UVS supports iSCSi, which is a block protocol for storage networking and runs the very common SCSI storage protocol across a network connection which is usually Ethernet. iSCSi, like Fibre Channel, can be used to create a Storage Area Network (SAN).

About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



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Feature	Specification
Processor	64-bit high-performance multi-core processor
Controller	Dual controller
Operating System	Embedded LINUX
Cache	8 GB by default (extendable to 32 GB)/controller
IP Camera Input	256 Channel
User Interface	Web
SAS	1 × SAS (up to 12 Gbps)/controller
Network Port	1 × 1-GbE management port/controller; 4 × 1-GbE LAN ports/controller
Network Port Extension	4 × 1-GbE LAN ports/controller (optional) 2×10-GbE optical fiber ports/controller (optional)
eSATA	1 × eSATA/controller
RS-232	1 × DB9 /controller
USB	2 × USB3.0 and 2 × USB2.0/controller
HDMI	1 x HDMI/controller, only for debug
HDD Interface	24 slots, SATA; SAS Max.16TB/HDD hot swapping, CMR, support enterprise-grade HDD
Disk Bay	24
RAID	RAID 0/1/5/6/10/50/60; (with enterprise-grade HDD)
Disk Group	Support
iSCSI	Supports client and Server
Network Disk	Supports client
Record Management	Supports record control (continuous, event-based, scheduled, scheduled & event-based)
Storage Pool	Support
Thermal Camera Compatibility	Works with camera for fire alarm, temperature alarm, temperature difference alarm, hot spot, cold spot, smoking and calling

Feature	Specification
AI by Camera	Face detection, face recognition, IVS (abandoned object, missing object, loitering, crowd gathering, parking, fence-crossing, fast moving, tripwire and intrusion), video metadata (human, vehicle, non-motor vehicle), vehicle recognition, people counting (fisheye or people counting camera required), face & body detection, crowd distribution, smart thermal (call detection, visible channel- smoking detection, thermal channel-smoking detection)
People Counting	Works with camera for tripwire people counting, regional people counting and queue people counting
Video Direct Storage (Private Protocol)	Incoming: 256-channel (bandwidth: 512 Mbps) Recording: 256-channel (bandwidth: 512 Mbps) Outgoing: 256-channel (bandwidth: 512Mbps) Playback: 16-channel (bandwidth: 32Mbps)
Video Direct Storage (ONVIF)	Incoming: 256-channel (bandwidth: 512 Mbps) Recording: 256-channel (bandwidth: 512 Mbps) Outgoing: 256-channel (bandwidth: 512 Mbps) Playback: 16-channel (bandwidth: 64 Mbps)
Video Direct Storage (Auto Register)	Incoming: 256channel (bandwidth: 512 Mbps) Recording: 256-channel (bandwidth: 512 Mbps) Outgoing: 256-channel (bandwidth: 512 Mbps) Playback: 16-channel (bandwidth: 32Mbps)
Picture Direct Storage	Incoming: 120-channel (550 KB/picture) Recording: 120-channel (550 KB/picture) Outgoing: 120-channel (550 KB/picture)
Video Direct Storage (International Protocol)	Incoming: 256-channel (bandwidth: 512 Mbps) Recording: 256-channel (bandwidth: 512 Mbps) Outgoing: 256-channel (bandwidth: 512 Mbps) Playback: 16-channel (bandwidth: 32 Mbps)
IPSAN Performance	180-channel × 2 Mbps video stream writing and 12-channel × 2 Mbps video playback (I/O size of VMS is 64 KB)
Bullet-PTZ Smart Track	Works with camera for manual tracking, auto tracking, click positioning and select positioning
Fisheye Dewarp	Supports dewarping for fisheye cameras
Multi-channel Playback	Web playback, max. 16-channel playback
Record Mode	Auto record; manual record; search video detection; IO alarm; thermal imaging; intelligent event; all record file
Storage	Internal HDD and network disk

Feature	Specification
Backup	HDD, peripheral USB storage device
Playback Function	1. Play, pause, stop, fast forward, fast backward, reverse play, frame by frame 2. Full-screen, backup (clip; file), snapshot, digital zoom, audio on; off
General Alarm	Motion detect; tampering; IPC external alarm
Anomaly Alarm	IPC offline alarm; storage error; HDD full; video frame loss; SSD exception; IP conflict; MAC conflict; login lock; fan malfunction; no HDD; network security exception; power exception; disk health exception; RAID exception; storage pool exception; temperature alarm; share service
Alarm Linkage	Record; snapshot (full image); alarm uploading; remote device alarm output; camera audio; buzzer; log; preset; email, smart tracking and warning light. Disarming alarm linkage action by period or one-click sync disarm config with channels
Protocols	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; InstaOn; iSCSI; FTP ; SMB; NFS; ONVIF (Profile S); CGI; SDK
Power Redundancy	1+1
Power Supply	100–127V/200–240V AC, 50/60Hz, 5A/2.5A
Fan	Intelligent speed regulation fan
Power Consumption	<120 W (without HDD, idling) <500 W (all HDDs connected)
Operating Temperature	0°C to 45°C (+32°F to +113°F)
Operating Humidity	10%–80% (RH) (non-condensation)
Operating Altitude	≤5000 m
Dimensions	Chassis: 446 mm × 175mm × 736.5 mm (17.56" × 6.89" × 29.00") (W × L × H) Max. size: 482.6 mm (with hanger) × 175 mm × 736.5 mm (19.00" × 6.89" × 29.00") (W × L × H)
Net Weight	29kg