CP-UNR-4K5128R8-EI

128Ch. 4K AI Network Video Recorder

- Up to 128 channel IP camera input
- Max. Decoding capability: 32 × 1080p@30fps
- Max. 512/512/512 Mbps Incoming/ Recording/ Outgoing bandwidth
- AI by Recorder: supports 8 channel face detection and recognition, up to 20 face databases and 200,000 face images, 8 channel metadata, 24 channel perimeter protection, 32 channel SMD Plus
- AI by Camera: supports face detection and recognition, Perimeter protection, SMD Plus, Metadata, ANPR, Stereo analysis, Heat map, and people counting
- Support redundant power, RAID 0/1/5/6/10, N+M cluster
- Support 8 SATA HHDs up to 20TB Each, 4 USB Port
- 2 HDMI / 2 VGA simultaneous video output
- Mobile Software: iCMOB, gCMOB

64 Ch | Linux POWERED | H.265 COMPRESSION | HI-SPEED CERTIFIED USB | GUI

System Overview

The CP Plus Series of NVRs have been meticulously designed for providing you with upgraded performance and higher recording quality in your IP video surveillance solution. The robust processor that has been inculcated in this NVR lets you enjoy 4K resolution and brings out every little detail from the picture in a clear view. This NVR is being used worldwide at a variety of places because of its easy-to-install design. This NVR also supports the features of open architecture that enable multi-user access and is also compatible with ONVIF 2.4 protocol which makes it interoperable with 4K cameras.

Functions

ANPR by Camera

The automatic number plate recognition technology is being widely used these days as this enables accurate, automatic reading of every vehicle's number plate that is crossing a border or an entrance and then automatically runs that number through the system to detect if the vehicle should be allowed to enter or not.

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Functions

Smart Motion Detection (SMD+) by Camera

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.

H.265

H.265 is the latest innovation among the standard video compression designs. This technology is beneficial for minimizing storage costs and provides big savings on resolution and the rate of frame in the video through the use of Intelligent Region Perception to detect motion in each frame.

4K Resolution

Created ideally for covering every inch of the space that is under surveillance, the 4K resolution technology lets you enjoy complete clarity in a magnified image. This technology has proven to be the most beneficial for image processing because it provides four times the better resolution of a standard HDTV 1080P Camera.

gCMOB/ iCMOB

Designed to allow users to access and control live streaming from CP PLUS IP Cameras, DVRs/ NVRs and Video Door Phones, the CP PLUS gCMOB/ iCMOB application offers a host of features such as Easy GUI, up to 16 live viewing split-ups; InstaOn cloud support; Playback; digital zoom ins; two-way talk, and more.

KVMS Pro Lite

The KVMS Pro is a hybrid security management software that allows the management of various surveillance devices such as cameras, DVRs/ NVRs, encoders/ decoders, etc. It is released with the surveillance hardware and exclusively supports CP PLUS devices.

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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128Ch. 4K AI Network Video Recorder

Feature	Specification
Processor	Industrial-grade processor
Operating System	Embedded Linux
IP Camera Input	128 channels
User Interface	Web, Local GUI
AI by Camera	Face detection, Face recognition, Video metadata (Human, Motor vehicles, and Non-motor vehicles), Perimeter protection, SMD, Stereo analysis, Crowd distribution, People counting, ANPR, Heat map, PPE detection
AI by NVR	Face detection, Face recognition, Video metadata (Human, Motor vehicles, and non-motor vehicles), Perimeter protection, SMD
Perimeter Performance AI by NVR	24 Channels, 10 IVS rules for each channel
Perimeter Performance of AI by Camera	All Channels (32 targets/s)
Video Output	2 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 2 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720
Face Detection AI by NVR	Sub screen 4K enabled: 4 channels (up to 12 face images/s each channel) Sub screen 4K disabled: 8 channels (up to 12 face images/s each channel)
Face Detection AI by Camera	32 channels
Face Recognition AI by NVR	Sub screen 4K enabled: 16 channel FD (by camera) + FR (by recorder), image stream: 32 face images/s 4 channel FD (by recorder) + FR (by recorder), video stream: 16 face images/s Sub screen 4K disabled: 16 channel FD (by camera) + FR (by recorder), image stream: 32 face images/s 8 channel FD (by recorder) + FR (by recorder), video stream: 16 face images/s
Face Recognition AI by Camera	32 channels
Face Attributes	6 attributes
Face Database Capacity	Up to 20 face databases with 200,000 images, with a total capacity of 44 G

Feature	Specification
Decoding Capability	AI disabled: 2 channel 32 MP@30fps, 2 channel 24 MP@30 fps, 4 channel 16 MP@30 fps, 5 channel 12 MP@30 fps, 8 channel 8 MP@30 fps, 10 channel 6 MP@30 fps, 12 channel 5 MP@30 fps, 16 channel 4 MP@30 fps, 32 channel 1080p@30 fps, 64 channel 720p@30 fps AI enabled: 1 channel 32 MP@30 fps, 1 channel 24 MP@30 fps, 2 channel 16 MP@30 fps, 4 channel 12 MP@30 fps, 6 channel 8 MP@30 fps, 8 channel 6 MP@30 fps, 8 channel 5 MP@30 fps, 12 channel 4 MP@30 fps, 24 channel 1080p@30 fps, 48 channel 720p@30 fps, 64 channel D1@30 fps
Intelli check AI by Camera + NVR	Max. 36 channel, 1 combined event per channel
License Plate Database Capacity	1. Up to 20,000 plate numbers 2. Blocklist and allowlist
Motor Vehicle Attributes	9 attributes
Non-motor Vehicle	4 attributes
Disk Interface	8 SATA ports Each disk can contain up to 20 TB, This limit varies depending on the environment temperature
Abnormality Alarm	Error (No disk, Disk error, Low space, RAID exception, Low quota space, Abnormal disk health, Network disconnection, IP conflict, MAC conflict, Abnormal fan speed), Video loss, Video tampering, Camera offline, Audio detection
SMD Plus by NVR	32 channels: Secondary filtering for human and motor vehicle, Reducing false alarms caused by leaves, Rain and lighting condition change
SMD Plus by Camera	All channels (64 targets/s)
ANPR by Camera (Number of Channels)	All channels (32 targets/s)
Metadata Performance of AI by NVR	8 channels, 23 attributes extraction
Metadata Performance of AI by Camera	32 channels
Multi Screen Preview	Main screen: 1/4/8/9/16/25/36/64 Sub screen: 1/4/8/9/16
Network Mode	Multi-address, load balance, fault tolerance
Network Bandwidth	AI disabled: 512 Mbps incoming, 512 Mbps recording and 512 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing

Feature	Specification
Resolution	32MP, 24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 2MP, 960p, 720p, D1, CIF, QCIF
People Attributes	9 Human body attributes
General Alarm	Motion detection, Local alarm, Alarm box, Camera external alarm, Network alarm, Scene changing, PIR alarm, Thermal alarm
Intelligent Alarm	Face detection, Face recognition, Video metadata (Human, Motor vehicle, and non-motor vehicle), Perimeter protection, License plate comparison
RAID	RAID 0/1/5/6/10
Alarm Linkage	Record, Snapshot (panoramic), Local alarm output, IPC external alarm output, Access controller, Audio, Buzzer, Log, Preset, Email
Recording Mode	General, Motion detection, Intelligent, Alarm, POS
Playback Mode	Instant playback, General playback, Event playback, Tag playback, Smart playback
Multi-Channel Playback	Up to 16 channels
Protocols	HTTP, HTTPS, TCP/IP, IPv4, IPv6, UDP, NTP, DHCP, DNS, SMTP, UPnP, IP Filter, FTP, DDNS, SNMP, Alarm Server, InstaOn, Auto Registration, ISCSI, ONVIF 23.06(Profile T; Profile S; Profile G), CGI, SDK
Power Redundancy	Support
Video Compression	Instastream, H.265, H.264+, H.264, MJPEG
Disk Group	Support
Hot Swapping	Support
Audio Compression	G.711a, G.711u, PCM, G726
Audio Input	1 channel RCA
Audio Output	2 channel RCA
Alarm Input	16 channels
Alarm Output	8 channels (1 channel 12 V 1 A output）
Backup Mode	USB device and network
Interface Ports	4 USB (2 front USB 2.0 ports, 2 rear USB 3.0 ports), 2 HDMI, 2 VGA, 2 RS485 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication), 1 RS232, 1 eSATA
Ethernet Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)
Smart Phone	iOS, Android

Feature	Specification
Browser	Chrome, IE, Safari, Edge, Firefox
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	<13 W (without HDD)
Operating Temperature	−10°C to +55°C (14°F to +131°F)
Operating Humidity	10%–93% (RH), non-condensing
Storage Temperature	−20 °C to +60 °C (−4 °F to +140 °F)
Dimensions	444.0 mm × 476.0 mm ×95.0 mm
Weight	8790 g

Company Name:

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