CP PLUS

CP-UNR-208F2-I2

8Ch. AI Network Video Recorder

- 8 Channel IP video access
- Intelli Code/ H.265/Smart H.264+ /H.264/MJPEG
- Max. decoding capability: 6 × 1080p@30fps. Supports adaptive decoding
- 1-channel face detection and recognition (AI by NVR); 1-channel perimeter protection (AI by NVR); up to 10 face databases and 5,000 face images
- AI by camera: Face detection and recognition, perimeter protection and SMD
- Support 2 SATA HDDs up to 10TB Each, 2 USB Ports
- 1 HDMI/ 1 VGA simultaneous video output
- Support Multi-brand network cameras
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro

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

System Overview

This highly intelligent video surveillance server is now combining the latest video management features to the authentic video storage functions within a single device, making this Series surpass all ordinary NVR products. This NVR works effectively in detecting and recognizing faces and can be installed in a wide-variety of situations. The deep learning artificial intelligence technology in this product uses the video image metadata technology, which offers you highly accurate face recognition and efficient perimeter protection at all times.

This product has been given the revolutionary UI design that allows you to operate and manage your device with increased ease and comfort, improving the value and experience of the surveillance conducted by you.

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Functions

Face Recognition

This technology is just the most proficient element of the current video surveillance industry as the NVRs that have been integrated with the real-time face recognition technology accurately detects facial attributes in the video stream in real-time. The technology analyzes every facial attribute ranging from gender, age, expression to wearing glasses, mask, and even mustaches.

Face Detection

With the help of the deep learning algorithm that is used in this technology, people can easily be detected, tracked, recorded, and captured. It takes only a second to detect one human face. This facial recognition technology uses biometrics to map facial features from a photograph or video and compares the information with a database of known faces to find a match.

Smart Motion Detection (SMD) By Camera

CPPLUS has introduced Smart Motion Detection, AI-based SMD, which use an advanced algorithm to differentiate human and vehicular shapes within a scene and send alarms only when a person or vehicle is detected.

Intelli Code

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.

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

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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Feature	Specification
Processor	Industrial-grade embedded micro-processor
IP Camera Input	8 channel
Operating System	Embedded LINUX
User Interface	Web; local GUI
AI by Camera	Face detection; face recognition; perimeter protection; SMD
AI by Device	Face detection; face recognition; perimeter protection
Perimeter Performance AI by Device (Number of Channels)	1
Perimeter Performance of AI by Camera (Number of Channels)	4
Face Detection Performance of AI by Device (1080P) (Number of Channels)	1 (up to 12 face images/second)
Face Attributes	6 attributes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
Face Detection Performance of AI by Camera (Number of Channels)	5
Face Database Capacity	Up to 10 face databases with 5,000 images
Face Recognition Performance of AI by Device (1080P) (Number of Channels)	1 (up to 4 face images/second)
Face Recognition Performance of AI by Camera (Number of Channels)	5
SMD By Camera	4-channel SMD (AI by camera): Detects tripwire and intrustion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away
Compression	Intelli Code/H.265/Smart H.264+/H.264/MJPEG

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Feature	Specification
Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720P; D1
Video Output	1 × VGA, 1 × HDMI (simultaneous)
Video Display Split	1/4/8/9
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding.
Decoding Capability	AI disabled: 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 4MP@30 fps; 6-channel 1080p@30 fps AI enabled: 1-channel 8MP@30 fps; 1-channel 5MP@30 fps; 2-channel 4MP@30 fps; 4-channel 1080p@30 fps
Audio Compression	PCM; G.711A; G.711U; G.726
RCA Input	1 channel
RCA Output	1 channel
General Alarm	Motion detection; privacy masking; video loss; local alarm; PIR alarm; IPC alarm
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception
Intelligent Alarm	Face detection; face recognition; perimeter protection (intrusion and tripwire); IVS; SMD
Alarm Linkage	Record; snapshot; buzzer; log; preset; email; tour
Smart Phone	iPhone, iPad, Android Phone
Hard Disk	2 SATA III ports, up to 10TB for a single HDD. The maximum HDD capacity varies with environment temperature
Multi-channel Playback	Up to 8 Channel
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off
Record Mode	Manual record; alarm recordings; motion detection recordings; scheduled recordings
Storage Method	Local HDD and network
Backup	USB device
Interface Ports	2 USB Ports (1 × front USB2.0; 1 × back USB2.0)
Ethernet	1 RJ-45 10/100 Mbps

Feature	Specification
Protocols	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search; RTSP; InstaOn; Auto Registration; ONVIF (profile T; profile S; profile G); CGI; SDK
Power Supply	12V DC, 4A
Power Consumption	Total output of NVR is ≤ 10 W (without HDD)
Working Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	0°C to 40°C (32°F to 104°F)
Operating Altitude	3,000 m
Dimensions	375 mm × 284.3 mm × 53 mm (14.76" × 11.19" × 2.09") (W × L × H)
Weight	1.51 kg