

# CP-UNR-4K4082-P8V4

## 8Ch. 4K Network Video Recorder with 8 PoE Port

- Up to 8 channel IP camera input
- Max. decoding capability: 8 x 1080p@30fps.
- Instastream/H.265/Smart H.264plus/H.264/MJPEG
- Support 2 SATA HDDs up to 20TB Each
- Max. 160/160/80 Mbps incoming/recording/outgoing bandwidth.
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Support 8 PoE Ports
- Mobile Software: iCMOB, gCMOB
- CMS Software:KVMS Pro



### 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

#### Smart Motion Detection (SMD Plus) 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.

#### 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.

#### Instastream

Instastream 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.

### 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 Processor
Operating System	Embedded LINUX
IP Camera Input	8 channel
User Interface	GUI,WEB Interface
AI by Camera	Face detection, Face recognition, Perimeter protection, SMD Plus, People counting, Stereo analysis, Heat map
AI by NVR	SMD+
Perimeter Performance of AI by Camera	6 Ch.
Face Recognition Performance of AI by Camera	6 ch.
SMD Plus by Camera	6 Ch.
Face Detection Performance of AI by camera	6 ch.
Video Output	1 HDMI, 1 VGA Simultaneous: HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Face Attributes	Gender; Age group; Glasses; Expressions; Face mask; Beard
SMD Plus by NVR	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
Network Bandwidth	AI disabled: 160 Mbps incoming, 160 Mbps recording and 80 Mbps outgoing AI enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing
Resolution	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF; QCIF
Video Compression	H.265/H.264
Encode Strategy	Instastream

Feature	Specification
Decoding Capability	AI disabled: 1-channel 12 MP@30 fps; 2-channel 8 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 8-channel 1080p@30 fps AI enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 7-channel 1080p@30 fps
Audio Input	1Ch. RCA
Audio Output	1Ch. RCA
Audio Compression	G.711a; G.711u; PCM; G726
Alarm Input	4Ch.
Alarm Output	2Ch.
Disk Group	Support
Smart Phone	iPhone, iPad, Android Phone
Disk Interface	2 SATA ports. Each disk can contain up to 20 TB. This limit varies depending on the environment temperature.
General Alarm	Motion detection, privacy masking, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email
Recording Mode	General, motion detection; intelligent; alarm
Protocols	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; Auto Registration; IP Search, ONVIF 2.2(Profile T; Profile S; Profile G); CGI; SDK
Playbackfunction	Instant playback, General playback, Event playback, Tag playback, Smart playback
Multi-Channel Playback	8 Ch.
Multi-screen Display	Main Screen: 1/4/8/9 , Sub Screen: 1/4/8/9
Browser	Chrome; IE; Safari; Edge; Firefox
Backup Mode	USB device and network
Interface Ports	2 (1 × front USB2.0; 1 × back USB2.0)
Ethernet	1 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
PoE	8 ports, 10/100 Mbps, IEEE 802.3 af/at

Feature	Specification
Operating Temperature	-10 °C to +55 °C (+10 °F to +131 °F)
Operating Humidity	10%~93%
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Power Supply	100-240 VAC, 50/60 Hz
Power Consumption	Total output of NVR is <10 W(without HDD) Total output power of PoE is 130W,the maximum
Dimensions	1U, 375.0 mm × 327.9 mm × 53.0 mm (W×L×H)
Weight	2.47 kg