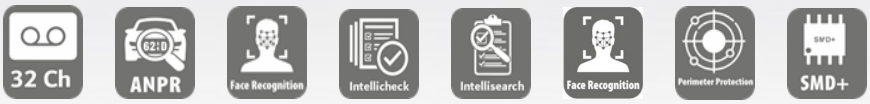
THINK SECURITY
THINK CP PLUS

CP PLUS

CP-UNR-4K4324-FI

32 Ch. H.265 Network Video Recorder

- Up to 32 channel IP camera input
- AI disabled: 2-channel 16 MP@30 fps, AI enabled: 1-channel 16 MP@30 fps
- H.265, H.264, MJPEG
- Up to 16Mp Video Resolution
- AI disabled: 256 Mbps incoming, AI enabled: 180 Mbps incoming
- Support 4 SATA ports, up to 16TB each, 3 USB (1 front USB 2.0 port, 2 rear USB3.0 ports)
- 1 HDMI, 1 VGA simultaneous video output
- Support ONVIF
- Support SMD Plus
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite



System Overview

This NVR has gathered momentum across the globe for its outstanding performance and premium recording quality as it can be applied in any situation for IP video surveillance. This Series of NVRs supports the input, recording and transmission functions. Along with that, this NVR also enjoys the help of a built-in deep learning module as this product adopts the video image that is structured on deep learning algorithms. This NVR lets you achieve high-precision human face-recognition and efficient perimeter protection.

This product has been crafted to pay attention to what matters the most through applying deep learning artificial intelligence, which makes it fasten the event response time and helps in making the video more actionable.

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Functions

Face Recognition

This technology can be used to extract faces from a range of cameras and is capable of processing large quantities of faces in real-time or post-event and can provide alerts to help with access and authentication, border security, and crowd control.

Smart Motion Detection (SMD Plus)

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.

Instastream

This camera has been designed with the latest and most efficient innovation among the standard video compression designs. Smart encoding algorithms developed by CP PLUS help in saving up to 70% more bandwidth than H.265 along with making it more beneficial for minimizing bandwidth and storage costs. It enhances video coding efficiency while providing high resolution and the rate of frame in the video using Intelligent Region Perception to detect motion in each frame.

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. Face detection is useful in cameras to help with auto-focus. This technology is mainly used to identify the presence of a human face.

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 Lite 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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32 Ch. H.265 Network Video Recorder

Feature	Specification
Processor	Industrial-grade processor
Operating System	Embedded LINUX
IP Camera Input	32 channels
User Interface	Web, Local GUI
Video Output	1-channel VGA, 1-channel HDMI video output. HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.
Video Compression	H.265, H.264, MJPEG
Encode Strategy	Instastream
Decoding Capability	AI disabled: 2-channel 16 MP@30 fps, 2-channel 12 MP@30 fps, 4-channel 8 MP@30 fps, 6-channel 5 MP@30 fps, 8-channel 4 MP@30 fps, 16-channel 1080p@30 fps AI enabled: 1-channel 16 MP@30 fps, 2-channel 12 MP@30 fps, 3-channel 8 MP@30 fps, 4-channel 5 MP@30 fps, 6-channel 4 MP@30 fps, 12-channel 1080p@30 fps
Video Resolution	16 MP, 12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 2MP, 960p, 1MP, D1, CIF
Video Display Split	Main screen: 1/4/8/9/16/25/36 Sub screen: 1/4/8/9/16
AI by NVR	Face detection, face recognition, perimeter protection, SMD Plus
AI by Camera	Face detection, face recognition, perimeter protection, SMD Plus, ANPR, people counting, stereo analysis, heat map
Perimeter Performance AI by NVR	2 channels, 10 IVS rules for each channel
Perimeter Performance of AI by Camera	8 channels
Face Attributes	Gender, age group, glasses, expressions, face mask, beard
Face Detection AI by NVR	1 channels (up to 12 face images/s each channel)
Face Detection AI by Camera	8 channels

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Feature	Specification
Face Database Capacity	Up to 10 face databases with 200,00 images, with a total capacity of 2.5 GB. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.
Face Recognition AI by NVR	8-channel FD (by camera) + FR (by recorder), image stream: 12 face images/s 1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s
Face Recognition AI by Camera	8 channels
License Plate Database Capacity	1. Create up to 20,000 plate numbers 2. Blocklist and allow list
ANPR by Camera (Number of Channels)	4 channels
SMD Plus by NVR	4 channels
SMD Plus by Camera	8 channels
Network Bandwidth	AI disabled: 256 Mbps incoming, 256 Mbps recording and 256 Mbps outgoing AI enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing
Smart Phone	iPhone, iPad, Android Phone
Network Mode	Multi-address mode, load balance, fault tolerance and other network port binding modes
Interface Ports	3(1 front USB 2.0 port, 2 rear USB 3.0 ports), 1 HDMI, 1 VGA, 1 RS232, 1 eSATA Port, 1 RS485
Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, SNMP, NTP, DHCP, DNS, SMTP, UPnP, IP Filter, PPPoE, FTP, DDNS, Alarm Server, IP Search, Multicast, InstaOn cloud, Auto Registration, ONVIF 21.12(Profile T, Profile S, Profile G)
Ethernet	2 (10/100/1000 Mbps Ethernet port, RJ-45)
Browser	Chrome, IE9 and later, Firefox, Edge
Abnormality Alarm	Camera offline, storage error, disk full, IP conflict, MAC conflict, login lock, cybersecurity exception
Intelligent Alarm	Face detection, face recognition, perimeter protection, SMD Plus, people counting, stereo analysis, heat map
General Alarm	Motion detection, privacy masking, local alarm
Alarm Linkage	Record, snapshot, IPC external alarm output, audio, buzzer, log, preset, email
Alarm Input	16 channel
Alarm Output	4 channels
Audio Input	1-channel RCA
Audio Output	1-channel RCA

Feature	Specification
Audio Compression	G.711a, G.711u, PCM, G726, AAC
Hard Disk	4 SATA ports, up to 16TB each. The maximum HDD capacity varies with environment temperature
Disk Group	Support
Multi-channel Playback	Up to 16 channels
Record Mode	General, motion detection, intelligent, alarm, POS
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and
Backup Method	USB device and network
Power Supply	100–240 VAC, 50-60 Hz
Power Consumption	≤ 10 W (without HDD)
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Operating Humidity	10%–93% (RH)
Storage Temperature	-20 °C to +60 °C (–4 °F to +140 °F)
Dimensions	440.0 mm × 415.1 mm x 70.0 mm (17.32" × 16.34" × 2.76") (W ×D × H)
Weight	4250 g (without HDD)

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