CP-UNR-4K4324-I

32 Ch. 4K Network Video Recorder

- Up to 32 channel IP camera input
- Access, storage or forwarding at 256 Mbps (160 Mbps when function enabled)
- Support 4 SATA HDDs up to 10TB Each, 2 USB Ports
- 1 HDMI / 1 VGA simultaneous video output
- Support Multi-brand network cameras
- AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel SMD Plus
- AI by Camera: Face detection and recognition, perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro

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

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.

ASIA 2 | WORLD TOP 4

CE FC RoHS COMPLIANT ONVIF

CP-UNR-4K4324-I
32 Ch. 4K Network Video Recorder

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

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.

CP-UNR-4K4324-I
32 Ch. 4K Network Video Recorder

Feature	Specification
Processor	Industrial-grade embedded processor
IP Camera Input	32 channel
Operating System	Embedded LINUX
RCA Input/ Output	1 channel Input, 1 channel Output, RCA
User Interface	Web; local GUI
Video Output	1-ch VGA output and 1-ch HDMI output; simultaneous/heterogeneous video sources output for VGA and HDMI is configurable
Video Compression	H.265/Smart H.264+/H.264/MJPEG
Encode Strategy	Instastream
Audio Compression	PCM; G.711A; G.711U; G.726
ANPR by Camera	4
Perimeter Performance AI by Device (Number of Channels)	2
Perimeter Performance of AI by Camera (Number of Channels)	8
SMD Plus by Device	4
SMD Plus by Camera	16-channel SMD Plus (AI by camera): Detects tripwire and intrusion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away
AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map
AI by Device	Face detection; face recognition; perimeter protection; SMD Plus
Face Attributes	6 attributes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
Face Detection Performance of AI by Device (1080P)	1 (up to 12 face images/second) (Number of Channels)
Face Detection Performance of AI by Camera	8 (Number of Channels)
Face Database Capacity	Up to 10 face databases with 20,000 images

CP PLUS

Feature	Specification
Face Recognition Performance of AI by Device (1080P)	1 (up to 4 face images/second) (Number of Channels)
Face Recognition Performance of AI by Camera	8 (Number of Channels)
Network Bandwidth	AI off: Access: 256 Mbps; Storage: 256 Mbps; Forward: 256 Mbps AI on: Access: 160 Mbps; Storage: 160 Mbps; Forward: 160 Mbps
Video Display Split	1st Screen: 1/4/8/9/16/25/36 ; 2nd Screen: 1/4/8/9
Resolution	16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720P; D1
Multi-channel Playback	Up to 16 channels
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
Decoding Capability	AI off: 1 channel × 16MP@20fps; 1 channel × 12MP@20fps; 2 channels × 8MP@30fps; 4 channels × 5MP@30fps; 5 channels × 4MP@30fps; 10 channels × 1080p@30fps AI on: 1 channel × 16MP@20fps; 1 channel × 12MP@20fps; 2 channels × 8MP@30fps; 3 channel × 5MP@30fps; 4 channels × 4MP@30fps ; 8 channels × 1080p@30fps
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent)
Storage Method	Local HDD; network
Backup	USB device
Alarm Input	16 Channel
Alarm Output	6 Channel
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
Smart Phone	iPhone, iPad, Android Phone
Hard Disk	4 SATA ports, up to 10 TB. The maximum HDD capacity varies with environment temperature
Interface Ports	1 front USB 2.0 port, 1 rear USB 3.0 port , 1 RS485, 1 RS232
Max User Account	128 users
Ethernet	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports

Feature	Specification
Protocols	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search; InstaOn; auto register; ONVIF (profile T/S/G); CGI; SDK
Power Supply	Single, 100 V–240 V AC, 50 Hz–60 Hz
Power Consumption	Total output of NVR is ≤ 8 W (without HDD)
Operating Temperature	-10 °C to +55 °C (+10 °F to +131 °F)
Operating Humidity	10%–93%
Storage Temperature	0 °C to +40 °C (32 °F to 104 °F)
Storage Humidity	30%–85%
Operating Altitude	3,000 m
Dimensions	440.0 mm × 415.6 mm x 76.0 mm (17.32" × 16.36" × 2.99") (W × L × H)
Weight	4.25 kg

ASIA 2 | WORLD TOP 4

CE FC RoHS ONVIF

Product casing and specifications are subject to change without prior notice