

CP-UNR-4K2162-V3

16Ch. 4K Network Video Recorder

- Up to 16 Channel IP Camera input
- Instastream, H.265, H.264+, H.264, MJPEG
- AI by Recorder: Support 4 channel SMD
- AI by Camera: Support perimeter protection and SMD
- Max. 144/144/72 Mbps incoming/recording/outgoing bandwidth
- Support 2 SATA HDDs up to 20TB, 2 USB ports(2.0)
- HDMI / VGA simultaneous video output
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite



System Overview

CP Plus has introduced the new and impactful range of NVRs under the Lite Series which has been integrated with the 4K and H.265 encoding technology that provides you with an outstanding at a reasonably pocket friendly price. The 4K resolution processors present in this product help in bringing out every little detail in the image. Along with that, this NVR uses the intuitive shortcut operation menu which lets you control and manage the system remotely as well and can work as edge storage, central storage, backup storage

The highly compatible design of this NVR allows you to third-party devices. This makes this product the ideal solution to your surveillance requirements as it can run independently of video management systems. This NVR by CP Plus has wide-ranging applications such as in keeping the public safe, conserving the water, transportation, city centres, educational facilities, and other institutions.



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Functions

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.

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

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.

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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16Ch. 4K Network Video Recorder

Feature	Specification
Processor	Industrial-grade processor
Operating System	Embedded LINUX
IP Camera Input	16 channel
User Interface	Web, Local GUI
AI by Recorder	SMD
AI by Camera	Perimeter protection, SMD
Perimeter Performance of AI by Camera	All channels (4 targets/s)
Video Output	1 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 1 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Video Compression	H.265, H.264+, H.264, MJPEG
Encode Strategy	Instastream
Decoding Capability	AI disabled: 1 channel 12 MP@30 fps, 1 channel 8 MP@30 fps, 2 channel 6 MP@30 fps, 2 channel 5 MP@30 fps, 3 channel 4 MP@30 fps, 6 channel 1080p@30 fps AI enabled: 1 channel 8 MP@30 fps, 1 channel 6 MP@30 fps, 1 channel 5 MP@30 fps, 2 channel 4 MP@30 fps, 4 channel 1080p@30 fps
Video Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 2MP, 720p, 960p, D1, CIF, QCIF
Video Display Split	1/4/8/9/16
SMD Plus by NVR	4 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 (8 targets/s)
Network Bandwidth	AI disabled: 144 Mbps incoming, 144 Mbps recording and 72 Mbps outgoing AI enabled: 72 Mbps incoming, 72 Mbps recording and 36 Mbps outgoing
Protocols	HTTP, HTTPS, TCP/IP, IPv4, IPv6, UDP, NTP, DHCP, DNS, SMTP, IP Filter, DDNS, InstaOn, Auto Registration, ONVIF 23.12(Profile T, Profile S, Profile G), CGI, SDK

Feature	Specification
Abnormality Alarm	Error (No disk, Disk error, Low space, Low quota space, Network disconnection, IP conflict, MAC conflict), Video loss, Video tampering, Camera offline
Intelligent Alarm	Perimeter protection; SMD+
General Alarm	Motion detection, Camera external alarm, PIR alarm
Alarm Linkage	Recording, Snapshot, Buzzer, Log, Preset, Email, Tour
Audio Input	1 channel RCA
Audio Output	1 channel RCA
Audio Compression	G.711a, G.711u, PCM, G726, AAC
Hard Disk	2 SATA ports. Each disk can contain up to 20 TB. this limit varies depending on the environment temperature
Multi-Channel Playback	Up to 16 channels
Record Mode	General, Motion detection, Intelligent, Alarm
Playback Mode	Instant playback, General playback, Event playback, Tag playback, Smart playback
Interface Ports	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
Backup Method	USB device and network
Smart Phone	iOS, Android
Ethernet	1 (10/100/1000 Mbps Ethernet port, RJ-45)
Browser	Chrome, IE, Safari, Edge, Firefox
Power Supply	12 VDC, 4 A
Power Consumption	≤ 10 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	375.0 mm × 282.9 mm × 53.0 mm
Weight	1490 g (without HDD)

Company Name:

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