

CP-UVR-1616K1-I3

16Ch. 5M-N Digital Video Recorder

- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24Ch. IP camera inputs, each channel up to 6MP; Max 128Mbps incoming bandwidth
- Up to 4Ch. video stream (analog channel) Perimeter Protection
- Up to 16Ch. video stream (analog channel) SMD Plus
- Up to 2Ch. video stream (analog channel) human face recognition
- AI Instastream/Instastream/ H.265 dual-stream encoding
- Support 1 SATA HDDs up to 16TB each, 2 USB Ports
- POS & IoT Functionalitie
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro



System Overview

This DVR 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. The Series of DVRs supports the input, recording and transmission functions. Along with that, this DVR 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 DVR 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

Multi-signal support

CP PLUS DVRs are equipped with a technology which supports all HD and analog video formats. This helps the user upgrade their systems without requiring major overhauls.

Addnl. IP cameras support

In some installations, customers have specific features and functions that are available in IP cameras only, such as two-way communication, edge storage, alarm I/O, etc. CP PLUS DVRs provide additional IP camera support to provide flexibility so that the desired solution features can be made accessible.

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

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, 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	Embedded processor
Operating System	Embedded LINUX
IP Camera Input	16+8 channels, each channel up to 6MP
Analog Camera Input	16 Ch. (BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured)
Camera Input	<ol style="list-style-type: none"> CVI: 5MP, 4MP, 1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps. TVI: 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 fps. AHD: 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 fps.
Two-way Talk	Supported (Share the same audio input with the first channel)
User Interface	GUI, WEB
Video Output	1 HDMI ,1 VGA VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 It changes to 1920 × 1080, 1280 × 1024, 1280 × 720 when Face or IVS&SMD is selected in AI Mode.
Video Frame Rate	PAL: 1 fps–25 fps. NTSC: 1 fps–30 fps.
Compression	H.265/H.264+/H.264
Encode Strategy	AI Instastream, Instastream
Perimeter Performance AI by DVR (Number of Channels)	2 Advanced Mode: 2 channel, 10 IVS for each channel General Model: 4 channels, 10 IVS for each channel
Face Attributes	6 attributes: Gender, age groups (6), glasses, expressions (8), face mask, beard, with up to four detection panels displayed at the same time.
Face Detection Performance of AI By DVR	2 channels, and a single channel can detect up to 12 faces.
Face Database Capacity	Up to 10 face databases and 10,000 pictures

Feature	Specification
Face Recognition Performance of AI By DVR	2 Ch.
Multi Screen Preview	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
Encoding Capacity	All channel 5M-N (1 fps–10 fps); 4M-N/1080p (1 fps–15 fps); 1080N/720p/960H/D1/CIF (1 fps–25/30 fps)
Bit Rate	32 Kbps–6144 Kbps Per Ch.
Bit Rate Type	Video stream and composite stream
Stream Capability	Dual Stream
SMD Plus by Recorder	Full-channel SMD Plus (AI by recorder), secondary filtering for human and motor vehicle SMD Plus, reducing false alarms caused by leaves, rain and lighting condition change
Audio Compression	G.711A; G.711U; PCM
Audio Sample Rate	8 KHz, 16 bit per Ch.
Audio Bit Rate	64 kbps per Ch.
Audio Input	16 RCA (external), 16 BNC (coaxial)
Audio Output	1 Ch, RCA
Alarm Input	16 Ch.
Alarm Output	3 Ch.
General Alarm	Motion detection, Video Loss, tampering, and local alarm
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
Intelligent Alarm	Face detection, face recognition, perimeter protection
Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email
Recording Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Recording Playback	1/4/9/16 It changes to 1/4/9 split when Face or IVS&SMD is selected in AI Mode.
Playback	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Backup Mode	USB Device/ Network

Feature	Specification
Hard Disk	1 SATA Ports, Up to 16TB capacity
Protocols	HTTP, HTTPS, TCP / IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS , ONVIF 16.12, CGI Conformant
Ethernet	1 RJ-45 Port ((10/100/1000 Mbps)
Interface Ports	2 USB Ports (1 USB 2.0 , 1 USB 3.0), 1 RS485
Smart Phone	iPhone, Android Phone
Browser	Chrome, IE9 or above, Firefox
Working Temp	-10°C to +55°C
Working Humidity	10%–90%
Power Supply	DC 12V/2A
Power Consumption	<12W
Dimensions	325.0mm×256.6mm×55.0mm (W × D × H)
Weight	1.36Kg

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