CP-UVR-1601L1B-4KI3

16Ch. 4K-N/5MP Digital Video Recorder

- Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- AI Instastream/ Instastream/ H.265 dual-stream video compression.
- Max 32 channels IP camera inputs, each channel up to 8MP; Max 128Mbps incoming bandwidth.
- Up to 8 channels video stream (analog channel) Perimeter Protection.
- Up to 16 channels video stream (analog channel) SMD Plus.
- Up to 2 channels video stream (analog channel) human face recognition.
- Support 1 SATA HDDs up to 16TB Each, 2 USB Ports
- 1 HDMI / 1 VGA simultaneous video output.
- Mobile Software: iCMOB, gCMOB.
- CMS Software: KVMS Pro.

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

System Overview

This Series 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 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

Signal auto-adapt

This DVR recognizes the signal type (CVI, TVI, AHD, CVBI) and automatically adapts without requiring any manual intervention. This has provided much ease to the user since signal compatibility was always a towering concern.

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.

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.

Multi-signal support

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

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.

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 PLUS

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Feature	Specification
Processor	Industrial-grade processor
Operating System	Embedded LINUX
Operating Interface	Web; Local GUI
Perimeter Performance of AI by DVR (Number of Channels)	Advanced Model: 2 channels, 10 IVS for each channel General Model: 8 channels, 10 IVS for each channel
SMD Plus by DVR	16 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change
Compression	H.265; Smart H.264+; H.264
Encode Strategy	AI Instastream/ Instastream
Video Output	1 HDMI, 1 VGA
Video Display Split	1/4/8/9/16
Resolution	1 HDMI, 1 VGA 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.
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance of AI by DVR (Number of Channels)	2 channels (up to 12 face images/s each channel)
Face Recognition Database Capacity	Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, cerificate No., countries & regions and state can be added to each face image
Face Recognition Perfor-mance of AI by DVR (Number of Channels)	2 Channels

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Feature	Specification
Analog Camera Input	16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect
Camera Input	CVI: 4K@25/30 fps; 6 MP@20 fps; 5 MP@25 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps. TVI: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps
IP Camera Input	Up to 32 channels of IPC access 16 IP channels by default + 16 channels (analog channels are converted to IP channels) incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled.
Two-way Talk	Yes (share the same audio input with the first channel)
Bit Rate	32 Kbps–6144 Kbps Per Channel
Audio Input	1-channel RCA 16-channel BNC (Coaxial Audio)
Audio Output	1 Channel RCA
Audio Compression	G.711a; G.711u; PCM
Audio Sample Rate	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 Kbps Per Channel
Recording Mode	General, motion detection; intelligent; alarm; POS
Hard Disk	1 SATA port, up to 16TB capacity for each disk. The maximum HDD capacity varies with environment temperature.
Encoding Capacity	Main stream: 4K@(1fps-7fps); 6 MP@(1fps-10fps); 5 MP@(1fps-12fps); 4K-N, 4 MP, 3 MP@ (1fps-15fps); 4M-N, 1080p, 720p, 960H, D1,CIF@(1fps–25/30fps); Sub stream: 960H@(1fps–15fps); D1/CIF@(1 fps–25/30fps)
Smart Phone	iPhone, iPad, Android Phone
General Alarm	Motion detection; video loss; tampering; local alarm
Anomaly Alarm	No disk; storage error; disk full; camera offline; IP conflict; MAC conflict

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Feature	Specification
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 Playback	1/4/9/16
Playback Function	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Backup Mode	USB Device/Network
Interface Ports	2 (1 front USB 2.0 port, 1 rear USB 3.0 port), 1 RS485
Network Mode	Single-address mode
Browser	Chrome, IE9 or later, Firefox
Ethernet	1 (10/100/1000Mbps Ethernet port, RJ-45)
Protocols	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; InstaOn; ONVIF 21.12; CGI
Power Supply	12 VDC, 3Amp
Power Consumption	<15W (without HDD)
Working Temp	-10°C to +55°C (+14°F to +131°F), 10–90% RH
Dimensions	325.0 mm × 257.1 mm × 55.0 mm (12.80'' × 10.12'' × 2.17'') (W × D × H)
Weight	1.30kg