

CP-UVR-1601E1V-I

16Ch. 1080N Digital Video Recorder

- Supports HDCVI, AHD, TVI, CVBS and IP video input
- Supports up to 18 channels of IPC access, including 2 additional IP channels + 16 analog channels, with the option to convert all analog channels to IP
- The incoming bandwidth reaches 64 Mbps
- 16 Channels two-way talk over coaxial cable allows for seamless communication between the camera, client and recorder
- 16 Channels IMD+ for analog channels or 18 Channels IMD by camera which allows the device to trigger accurate alarms for humans and vehicles
- 16 Channels AI Coding saves on storage and bandwidth while maintaining the details of targets in videos
- Instastream, H.265, H.264+, H.264 dual stream video compression
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro Lite



System Overview

The newly developed Series All-in-one by CP PLUS has brought a huge change to the surveillance industry with an HD video recorder that is made to be compatible with multiple access technology which adds to the effectiveness of the existing security solution by upgrading it. This Series All-in-one makes it easier for the end-user by reducing the system cost and simplifying the installation and use. The greater quality and performance provided by the Series All-in-one at such a pocket-friendly price make it ideal for use in a wide range of applications, such as retail stores, home protection, roads, and traffic signals, among others.

Functions

IMD+ (Intelligent Motion Detection Plus)

IMD+ (Intelligent Motion Detection Plus) in CP Plus DVRs uses advanced secondary filtering to accurately identify human and vehicle movement. It effectively reduces false alarms caused by rain, moving leaves, insects, and lighting changes, ensuring reliable and intelligent motion detection for enhanced surveillance accuracy.



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Functions

Two-way talk

The Two-Way Talk feature enables real-time audio communication between the monitoring site and the camera location. It allows users to listen and speak remotely, making it ideal for visitor interaction, warnings, and on-site coordination, thereby enhancing active surveillance and response.

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

Instastream is CP PLUS's optimized implementation of H.265 compression technology, designed to reduce bandwidth and storage consumption without compromising video quality. It ensures efficient video transmission and smooth recording performance, making it ideal for bandwidth-constrained surveillance networks.

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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Feature	Specification
Processor	Industrial-grade processor
Operating System	Embedded LINUX
User Interface	Web, Local GUI
IMD+ by DVR	16 channels: Secondary filtering for human and vehicle, reducing false alarms caused by leaves, rain and lighting condition change
IMD By Camera	18 Channels (2 IP Channels + 16 Analog Channels)
Irregular Black Block Masking by DVR	1 Channel
Analog Camera Input	16 BNC ports, supports HDCVI/AHD/TVI/CVBS autotetect
Camera Input	1. CVI: 1080p@25/30 fps; 720p@25/30 fps 2. TVI: 1080p@25/30 fps; 720p@25/30 fps 3. AHD: 1080p@25/30 fps; 720p@25/30 fps
IP Camera Input	Up to 18 Channels of IPC access 2 IP Channel by default + 16 Channels (analog channels are converted to IP channels) Incoming bandwidth: 64 Mbps, recording bandwidth: 64 Mbps and outgoing bandwidth: 64 Mbps
Stream Capability	Dual stream
Video Frame Rate	Main stream: the 1st channel 1080N/720p@1 fps– 25/30 fps, others 1080N/720p@1 fps–15 fps; 960H/D1/CIF@1 fps–25/30 fps Sub stream: CIF@1 fps–7 fps
Bit Rate	32 kbps–4096 kbps
Audio Sample Rate	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 1 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Video Display Split	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
Video Compression	AI Coding, Instastream, H.265, H.264+, H.264
Audio Compression	G.711a, G.711u, PCM, AAC

Feature	Specification
Protocols	HTTP, HTTPS, TCP/IP, IPv4, IPv6, RTSP, UDP, NTP, DHCP, DNS, SMTP, UPnP, IP Filter, FTP, DDNS, SNMP, Alarm Server, InstaOn, Auto Connect, IP Search, ONVIF (Profile T, Profile S, Profile G), CGI, SDK
Smart Phone	iOS, Android
Browser	Chrome, IE, Safari, Edge, Firefox
Record Mode	General, Alarm, Motion detection
Recording Playback	1/4/9/16
Backup Mode	USB device and network
Playback Mode	Instant playback, General playback, Event playback, Tag playback, Smart playback
General Alarm	Motion detection, HDCVI alarm, Camera external alarm, Network alarm, PIR alarm
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	IMD+
Alarm Linkage	Record, Snapshot (panoramic), IPC external alarm output, Audio, Buzzer, Log, Preset, Email
Audio Input	1 Channel RCA 16-channel BNC (Coaxial Audio)
Audio Output	1 Channel RCA
Two-way Talk	Coaxial two-way talk: 16-channel BNC Local and network user two-way talk: Shares the same audio input with the first channel
Disk Interface	1 SATA port, up to 16 TB. This limit varies depending on the environment temperature.
Interface Ports	2 USB (2 rear USB 2.0 ports)
Ethernet	1 (10/100 Mbps Ethernet port, RJ-45)
Power Supply	12 VDC, 2 A
Power Consumption	<10 W (without HDD)
Operating Temperature	−10°C to +45°C (+14°F to +113°F)
Operating Humidity	10%–90% (RH), non-condensing
Storage Temperature	−20°C to +60°C (−4°F to +140°F)
Dimensions	260.0 mm × 231.6 mm × 47.6 mm
Weight	960g

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