

# CP-UNR-4K632R8-V2

## 32 Ch. H.265 4K Network Video Recorder

- Up to 32 channel IP camera input
- Up to 12MP resolution preview and playback
- Max 384Mbps incoming bandwidth
- Support 8 SATA HDDs up to 10TB each, 4 USB Ports, 1 eSATA port
- 2 HDMI / 1 VGA simultaneous video output
- Support Multi-brand network cameras
- Support RAID 0/1/5/6/10
- Supported AI Functions by Camera, Face detection and recognition, SMD Plus, Video metadata, ANPR and 3D behaviour analysis
- Mobile Software: iCMOB, gCMOB
- CMS Software: KVMS Pro



### System Overview

This product is perfect for IP video surveillance around the globe as it uses a highly-efficient recording technology that brings to you the premium quality recordings. The 4K resolution present in this NVR helps in focusing on every minute detail in the image for critical activities such as identification of people and vehicles. On top of all that, this NVR comes with a mouse shortcut operation menu which lets you remotely manage and control the entire system. All of these functions make this NVR the best choice for a number of applications ranging from public safety, transportation stations to government and private institutions as well as city centers and shopping malls.

### Functions

#### N+M Cluster

Understanding the need of the hour, this NVR has been crafted through using the greatly-reliable redundant N+M Hot Standby design which presents a secure, fail-safe way of ensuring immediate backup of the video.



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### Functions

#### RAID 0/1/5/6/10

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features Fruitfull RAID 0/1/5/6/10 for faster and safer recording.

#### ANR Technology

The automatic network replenishment technology has eased conducting surveillance manifolds by automatically storing the video data on an IP Camera SD card when the network is disconnected to prevent losing the video feed even for a single second. And so, whenever the network has been recovered next, the data is automatically transferred to the NVR.

#### 4K Resolution

Created ideally for covering every inch of the space that is under surveillance, the 4K resolution technology lets you enjoy complete clarity in a magnified image. This technology has proven to be the most beneficial for image processing because it provides four times the better resolution of a standard HDTV 1080P Camera.

#### 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.

#### 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.

### 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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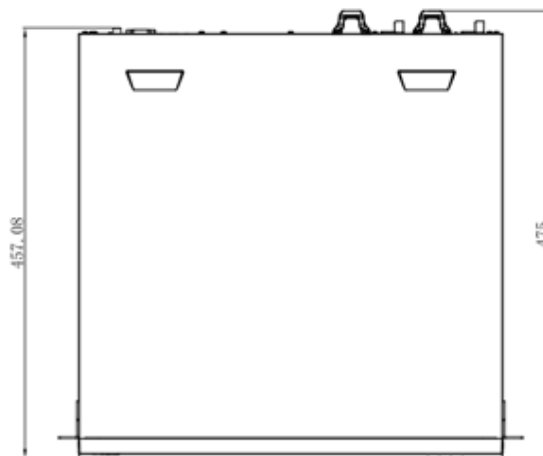
## 32 Ch. 4K Network Video Recorder

Feature	Specification
Processor	Industrial embedded micro-processor
Operating System	Embedded LINUX
Camera Input	32
User Interface	Web, Local, GUI
Video Output	VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160@25fps, 1920 × 1080, 1280 × 1024, 1280 × 720 1 channel VGA output, 2 channels HDMI output, VGA and HDMI 1 homologous output, double HDMI heterogeneous output. Support 4K display for both HDMI1 and HDMI2
Compression	H.265/Smart H.264+/H.264/MPEG4/ MJPEG
Encode Strategy	Instastream
Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/ 1080p/960p/720p/D1/CIF/QCIF
Video Resolution	VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160@25fps, 1920 × 1080, 1280 × 1024, 1280 × 720
AI Search	Perimeter Protection (Search pictures by channel, time, event type); Face Detection By Camera (Search pictures by channel, time and face attributes); SMD Plus By Camera (Search by target classification (Human, Vehicle); Video Metadata By Camera (Support search target video by metadata); Stereo Analysis by Camera (Search by target classification (Fall Detection, People Approach Detection, People No. Exception Detection, People Staying Detection, Violence Detection);
Perimeter Protection	Supported (Max. 24 Ch. in NVR)
Face Detection By Camera	Supported (Max. 24 Ch. in NVR)
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard (By Camera)
SMD Plus By Camera	Supported (Max. 32 Ch. In NVR)
Video Metadata By Camera	Supported (max. 12 Ch. in NVR )
Video Metadata By Camera for Human Body	Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella
Video Metadata By Camera for Vehicle	Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region

Feature	Specification
Video Metadata By Camera for Non Motor Vehicle	Type, color, number of passengers, helmet
Stereo Analysis by Camera	Supported (All 32 Ch.)
Video Display Split	The 1st screen: 1/4/8/9/16/25/36, The 2nd screen: 1/4/8/9/16
Decoding Capacity Separately	16-ch@1080p (30 fps)
ANPR By Camera	Supported (Max. 8 ch. in NVR)
N+M Cluster	Supported (When the host fails, the standby device will continue to record; once the host recovers, video recorded on the standby device will be transmitted back)
RAID	RAID 0/1/5/6/10
General Alarm	Motion detection, privacy masking, video loss, local alarm, PIR alarm, IPC alarm
Anomaly Alarm	Camera offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Intelligent Alarm	Perimeter protection, face detection, face recognition, SMD, video metadata (human, motor-vehicle, non-motor vehicle), ANPR, people counting, stereo analysis, crowd distribution, heatmap, video quality diagnosis
Alarm Linkage	Record, snapshot, IPC external alarm output, buzzer, log, preset, email
Alarm Input	16 Ch.
Alarm Output	8 Ch.
Audio Input	1 channel, RCA Connector
Audio Output	1 channel, RCA connector
Audio Compression	MP2/G726/G729/G722/G723/G711A/G711U/PCM
Recording Mode	Manual, Schedule (General, MD (Motion Detection), Alarm, MD & Alarm, Intelligent, POS)
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Playback Function	1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/of
Backup Mode	USB Device/Network/eSATA Device
Playback	1/4/9/16
Disk Group	Supported
Hard Disk	1 eSATA, 8 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Interface Ports	2 HDMI, 1 VGA, 4 USB ports(2 USB 2.0 , 2 USB 3.0 ), RS485(1 Ch.), RS232(1 Ch.)
Network Bandwidth	384 Mbps for access, 384 Mbps for storage and 384 Mbps for forwarding

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 (Support Dahua IP camera, DVR, NVS, etc.), Insta-On cloud, iSCSI; ONVIF (profile T/S/G), CGI, SDK
Ethernet	2 RJ-45 Ports (10/100/1000Mbps)
Max User Account	128 users
Browser	Chrome, IE9 or later, Firefox
Smart Phone	iPhone, iPad, Android
Working Temperature	-10°C to +55°C (+14°F to +131°F), +35°C (+95°F) when raid enabled
Working Humidity	10%–93% (RH)
Storage Temperature	0°C to +40°C (+32°F to +104°F)
Storage Humidity	30%–85% (RH)
Power Supply	Single, AC100V–240V, 50–60 Hz
Power Consumption	<20W(without HDD)
Dimensions	440 mm × 452.6 mm × 94.9 mm (W × L × H)
Weight	9kg (without HDD)

**Dimensions (mm/inch)**



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