

# CP-NNR-4K332R4-16P

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

- Up to 32 channel IP camera input
- H.265+/H.265/H.264+/H.264 codec decoding
- Max 320 Mbps bandwidth
- Up to 16 face databases with 10,000 face images in total
- Up to 32ch picture stream face recognition
- Up to 20 Face pictures/sec processing
- Simultaneous HDMI and VGA up to 4K output
- Support 4 SATA Ports, up to 12TB Each,  
3 USB Ports, 1 eSATA Port, 16 PoE Ports
- Support RAID 5/6/10
- Support Multi-brand network cameras
- ONVIF Version 2.4 conformance
- Mobile Software: Android, iOS



### System Overview

This Series of NVRs have been meticulously designed for providing you with upgraded performance and higher recording quality in your IP video surveillance solution. This NVR is being used worldwide at a variety of places because of its easy-to-install design. This NVR also supports the features of open architecture that enable multi-user access and is also compatible with ONVIF 2.4 protocol which makes it interoperable with cameras.

### Functions

#### 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.



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## Functions

### RAID

RAID is a data storage virtualization technology that combines multiple physical disk drive components into one or more logical units for the purposes of data redundancy, performance improvement, or both. This was in contrast to the previous concept of highly reliable mainframe disk drives referred to as "single large expensive disk.

### Face Database Management

This feature enables a comprehensive data collection and data management using the technology configures multiple faces using the databases and then instantly store them along with all kinds of details such as name, gender, birthday, address, certificate type, certificate no. and even the region, state and country attached with each recorded face.

### H.265+

H.265 is the latest innovation among the standard video compression designs. This technology is beneficial for minimizing storage costs and provides big savings on resolution and the rate of frame in the video through the use of 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.

### 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.

### Power over Ethernet

This product uses the latest PoE technology to troubleshoot the occurrence of any issues in the system making it easier to use. With the help of this technology, your camera now only consumes energy directly from the power supply and doesn't require any mid-way switches.



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

Feature	Specification
Processor	Dual-core embedded processor
Operating System	Embedded LINUX
IP Camera Input	32 channel
Two-way Talk	Yes
Performance	Max 20 face pictures /sec processing 32ch picture stream face recognition
User Interface	GUI
Video Output	1 HDMI, 1 VGA
Compression	H.265+/ H.265/H.264+/H.264
Video Resolution	HDMI : 3840×2160,1920×1080,1440×900, 1280×1024 VGA: 1920×1080, 1440×900, 1280×1024
Stranger Mode	Detect strangers' faces (not in device's face database) Similarity threshold can be set manually
AI Search	Search for image by image Search image by properties
Video Recording	320Mbps
Database Management	Up to 16 face databases with 10,000 face images in total
Database Application	Every data can be applied to any channel
Trigger Events Face Recognition	Buzzer, Alarm push, Alarm prompt, Email, Alarm Out, Compare the result simultaneously, etc.
Video Display Split	1/4/8/9/16/32/36
Face	Face comparison results (registrant (name and ID), stranger, channel, similarity)
Vehicle	Recently captured image display
Human Body	Recently captured image display
Non-motor Vehicle	Recently captured image display
AI Search	Time, Properties, Pictures, Gender, Riding style, Vehicle color, License plate
Bit Rate	128Kbps ~ 8192Kbps Per Channel
Motion Detection	Motion Detection

Feature	Specification
Audio Input	1 Channel
Audio Output	1 Channel
Video Loss	Support
Camera Blank	Support
Alarm Input	2 Channel
Alarm Output	1 Channel
Smart Phone	iPhone, iPad, Android Phone
Hard Disk	4 SATA Ports, up to 12TB for each HDD, 1 eSATA Port
Trigger Events	Recording, Buzzer, Push message, Pop up message.
RAID	RAID 5, RAID 6, RAID 10
Recording Mode	Manual, Schedule (Regular, Continuous, Motion Detection, Video Loss, Camera Tamper, Alarm in, IVS)
Search Mode	Time /Date, Alarm, Picture grid, Event
Sync Playback	16/9/4/1
Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device
Interface Ports	1 HDMI, 1 VGA, 3 ports (USB 2.0 x2, USB3.0 x1), 1 RS485, 1 RS232
Record Interval	Post-record: 30 ~ 60 sec
Max User Account	10 users
Ethernet	1 RJ-45 port (10/100/1000Mbps)
Protocols	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE, ONVIF, SDK, CGI
PoE	16ch 100Mbps, IEEE 802.3af
Power Supply	AC100~240V
Power Consumption	<15W (without HDD), PoE Max Power: 160W
Working Temp	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Working Humidity	Less than 90% RH
Dimensions	440 x 368.3 x 70mm
Weight	4.2kg (without HDD)

Dimensions (mm/inch)

