

# MV-NVR1608CP1S

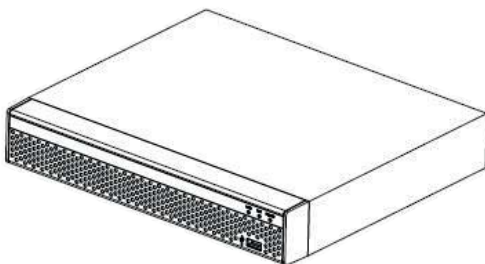
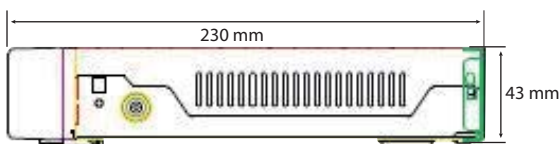
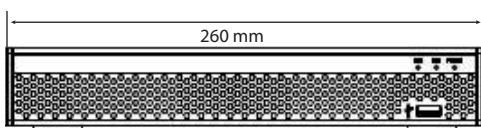
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## 16 Channel 4PoE 4K H.265 Network Video Recorder



### Features

- Third-party Network Cameras Supported
- Up to 4K Resolution Recording and Playback
- HD and VGA Output, HD Port up to 4K (3840\*2160)
- H.265+/H.265/H.264+/H.264 Video Format
- Support 1 SATA up to 8TB Capacity
- Support 8 Independent PoE Network Interfaces



### System Overview

The NVR is capable of transmitting 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

### Functions

#### 4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

#### High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

#### Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

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## TECHNICAL SPECIFICATION

### System

Main Processor	ARM Cortex A7 Processor
Operating System	Embedded LINUX

### Video

Input	16CH (3840×2160, 2592×1944, 2048×1536, 1920×1080, 1280×960, 1280×720, etc
Output	1 VGA, 1 HD

### Audio

Input	1 Port RCA
Output	1 Port RCA(Linear, 1kΩ)
Audio Bit Rate	64kbps
Audio Compression standard	AAC,G711u, G711a, ADPCM_DVI4
Intercom	Support (two-way)

### Alarm

Sensor Input	4
Output	1
Motion Detection	16 Channel, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot, Buzzer and Screen Tips

### Display

HD Output1	4K (3840 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HD Output2	N/A
VGA	11920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Display Split	16CHxD1/9CHxD1/8CHxD1/4CHxD1/CHx1080P/1CHx3MP/1CHx4MP/1CHx5MP/1CHx4k
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm

### Recording

Video Compression	H265/H264/H265+/H264+
Resolution	4k(3840×2160),5MP(2592×1944),4MP(2688×1520/2560×1440),3MP(2048×1536),1080P(1920×1080),960P(1280×960),720P(1280×720),D1(720×576/720×480)
Record Rate PAL	4k@10×25fp,5MP@14×25fp,4MP@16×25fp,3MP@16×25fp,1080P@16×25fp,960P@16×25fp,720P@16×25fp, D1@16×25fp
Record Rate NTSC	4k@10×30fp,5MP@14×30fp,4MP@16×30fp,3MP@16×30fp,1080P@16×30fp,960P@16×30fp, 720P@16×30fp, D1@16×30fp
Record Mode	Manual\Timer\Motion Detection\Smart Alarm

### Playback & Backup

Local Sync Playback	1CH 4K@30fps, 1CH 5MP@30fps,2CH 4MP@30fps, 2CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps
Decode Capability	1CH 4K(3840×2160)@30fps
Remote Sync Playback	YES
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection,Event Alarm,Tag search
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Full Screen, Frame Play ,Frame Rewind, Digital Zoom,tag,clip
Backup Mode	USB Device/Network

### Network

Interface	8 x RJ45 (10M/100M Adaptive Ethernet Interface)+1xRJ45 10M/100M/1000M Adaptive Ethernet Interface
Incoming Bandwidth	100MB
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, p2p,PPPOE
Onvif Version	Support Onvif 2.8
Web Browser	IE8-11, Google Chrome (lower than Ver44), Firefox (lower than Ver53)
CMS Software	Support Windows 7/ Windows 8/ Windows 10/MAC OS
Cloud Support	Yes
Smart Phone	iPhone, iPad, Android, Android Pad
POE	8 x Independent 100Mbps POE Network Interfaces(Output PowerAT mode 30W, AF mode 15W per Interface), 45/78 line order, Total Power Output≥100W,Support Plug and Play, Support network cable extended mode Max. 250M
WIFI UI	N/A

### Storage

Interface Type	1 SATA Hard Disk Interface (2.5"/3.5" SATA)
Capacity	Up to 8TB capacity
eSATA	N/A

### General

Language UI	English, Bulgarian, Polish, Arabic, German, Russian, French, Korean, Portuguese, Japanese, Turkish, Spanish, Hebrew, Italian,Nederlands,Czech, Vietnamese Chinese
USB Interface	2 USB 2.0 Interfaces
RS485	N/A
Power Supply	DC 52V/2500mA ≤10W (Without Hard Disk and POE)
Working Environment	-10~55°C/10~90%
Dimension(W×D×H)	260*215*43(mm)
Weight	2.0KG (without HDD)