

MV-NVR1616CP4S

VALUE 

16 Channel 1.5U 16PoE 4K H.265 Lite Network Video Recorder

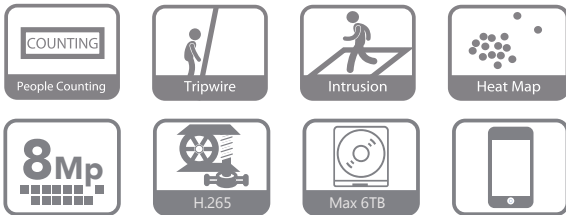
System Overview



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

Features

SMART ADD

- ⦿ H.265/H.264 Codec decoding
- ⦿ Max 200Mbps Incoming Bandwidth
- ⦿ Up to 8MP Resolution for Preview and Playback
- ⦿ HDMI/VGA simultaneous video output
- ⦿ Support IPC UPnP, 16PoE ports
- ⦿ Support ANR technology to enhance the storage reliability when the network break down

With the Smart Add function, the installation of IP system is as easy as an analog system, no matter the NVR with or without a PoE switch embedded. It should be noted that the NVR has to be in the same router as cameras.

4K RESOLUTION

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

ANR (Automatic Network Replenishment Technology)

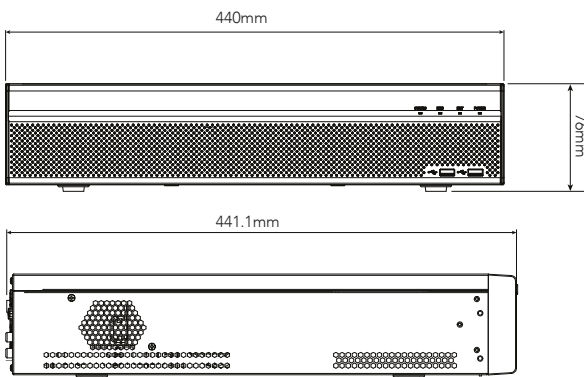
Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.

EASY4IP

You can monitor at anytime and anywhere with Easy4ip. With this function, you can manage your devices more convenient.

INTELLIGENT VIDEO SYSTEM (OPTIONAL)

Working with built-in intelligent video analytics IP cameras, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, ideal for business intelligence, and Face Detection, for searching or identification of individuals.



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TECHNICAL SPECIFICATION

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Display

Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Interface	1 HDMI, 1 VGA
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Multi-screen Display	1/4/8/9/16

Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Tampering
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	4 Channel, NO/NC Programmable, Green Terminal Interface

Playback and Backup

Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Backup Mode	USB Device/Network
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shu e, Backup Selection, Digital Zoom

Storage

Internal HDD	4 SATA III Port, Up to 6 TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface

USB	2 USB Ports (1 USB2.0, 1 USB3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

Audio and Video

IP Camera Input	16 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Recording

Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Compression	H.265/H.264
Record Rate	200Mbps
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop
Bit Rate	16Kbps ~ 20Mbps Per Channel

Network

Interface	1 RJ-45 Port(10/100/1000Mbps)
Ethernet Port	1 Independent 1000Mbps Ethernet Port
Network Functions	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search(DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, AndroidS
Interoperability	ONVIF 2.4, CGI Conformant

Electrical

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <13.7W (Without HDD) PoE: Max 25.5w for single port, 150w in total

Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	1.5U, 440mm×411.1mm×76mm (17.3" x 16.2" x 3.0")
Net Weight	4.7kg (10.4lb) (without HDD)
Gross Weight	7.5kg(16.5 lb)(without HDD)

Third-party Support

Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more
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Certification

CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL60950-1+CAN/CSA C22.2 No.60950-1