

NVR1B04/1B08HC/E

4/8 Channel Cooper 1U H.265 Network Video Recorder



- H.265+/H.264+ codec decoding
- Max 40Mbps/20Mbps incoming/outgoing bandwidth
- Max 4/8 channel IP camera inputs
- Up to 6MP resolution preview&playback
- Up to 1ch@6MP/4ch@1080P 25fps decoding
- HDMI/VGA simultaneous video output



System Overview

EZ-IP is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

EZ-IP is fully in line with Dahua's quality. Stable and reliable components are utilized and Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

Functions

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

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.

DMSS

The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

Technical Specification

System

| | |
|------------------|------------------------------|
| Main Processor | Dual-core embedded processor |
| Operating System | Embedded LINUX |

Audio and Video

| | |
|-----------------|-------------|
| IP Camera Input | 4/8 Channel |
| Two-way Talk | N/A |

Display

| | |
|----------------------|--|
| Interface | 1 HDMI, 1 VGA |
| Resolution | 1920×1080, 1280×1024, 1280×720 |
| Decoding Capacity | 1ch@6MP 30fps, 4ch@1080P 25fps |
| Multi-screen Display | 4CH: 1/4 |
| | 8CH: 1/4/8/9 |
| OSD | Camera title, Time, Camera lock, Motion detection, Recording |

Recording

| | |
|-----------------|--|
| Compression | H.265+/H.264+ |
| Resolution | 6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc. |
| Record Rate | 40Mbps |
| Bit Rate | 16Kbps ~ 20Mbps Per Channel |
| Record Mode | Manual, Schedule(Regular(Continuous), MD, Stop |
| Record Interval | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec |

Video Detection and Alarm

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|-----------------|---|
| Trigger Events | Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), and Tampering |
| Alarm input | N/A |
| Relay Output | N/A |

Playback and Backup

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|-------------------|--|
| Sync Playback | 4CH: 1/4 |
| | 8CH: 1/4/9 |
| Search Mode | Time /Date, MD and Exact Search (accurate to second) |
| Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom |
| Backup Mode | USB Device/Network |

Third-party Support

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

Network

| | |
|-------------------------|---|
| Interface | 1 RJ-45 port (10/100Mbps) |
| Network Function | HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P |
| Optical Fiber Interface | N/A |
| Max. User Access | 128 users |
| Smart Phone | iPhone, iPad, Android |
| Interoperability | ONVIF ,SDK, CGI Conformant |

Storage

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|--------------|--|
| Internal HDD | 1 SATA III Port, up to 4TB capacity for each HDD |
| HDD Mode | Single |
| eSATA | N/A |

Auxiliary Interface

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|-------|-------------------------|
| USB | 2 ports (2 Rear USB2.0) |
| RS232 | N/A |
| RS485 | N/A |

Electrical

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|-------------------|----------------------|
| Power Supply | Single, DC12V/1.5A |
| Power Consumption | <2.57W (without HDD) |

Environmental

| | |
|----------------------|---|
| Operating Conditions | -10°C ~ +45°C (+14°F ~ +113°F), 86 ~ 106kpa |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH |

Construction

| | |
|-------------------|---|
| Dimensions(W×D×H) | Cooper 1U, 197mm×196.6mm×41.5mm (7.76" x 7.74" x 1.63") |
| Net Weight | 1.15 kg (2.54 lb) (without HDD) |
| Gross Weight | 1.65kg(3.64 lb)(without HDD) |

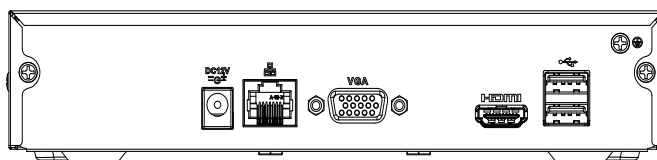
Certifications

| | |
|-----|--|
| CE | EN55032, EN55024, EN50130-4, EN60950-1 |
| FCC | Part 15 Subpart B, ANSI C63.4-2014 |

Ordering Information

| Type | Part Number | Description |
|---------------|-------------|--|
| 4 Channel NVR | NVR1B04HC/E | 4 Channel Cooper 1U H.265 Network Video Recorder |
| 8 Channel NVR | NVR1B08HC/E | 8 Channel Cooper 1U H.265 Network Video Recorder |
| Accessories | N/A | N/A |

Rear Panel



Dimensions (mm)

