

## DS-M5504HNI Series Mobile NVR



### Features and Functions

- User-friendly GUI providing easy and flexible operations;
- Pluggable 4G (FDD-LTE), 3G (WCDMA) and Wi-Fi module providing flexible data transmission solutions;
- Pluggable GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream;
- IP camera connection with Hikvision private protocol and ONVIF protocol supported;
- 4 independent network interfaces connectable to 4 IP cameras; each channel supports up to 1080P resolution with H.264 encoding technology;
- Two 2.5-inch HDDs/SSDs and one SD card pluggable, adopting hard disk vibration damping technology;
- Backup recording on SD card when the HDDs/SSDs are broken;
- Information collection interfaces collect driving information such as left/right turn, braking, rolling back, etc.;
- Left/right mirror type of the image configurable;
- Software-based firewall supported;
- Support accessing via WEB browser;
- Wide-range power input (9 to 32 VDC);
- Ignition startup and delay (0 h to 6 h) shutdown;
- Power-off protection prevents key data from loss;
- Standard 1DIN dimensions;
- Aluminum die-cast chassis of good heat dissipation performance with no fan design which well adapts to working environment;
- Hard disk box with USB interface supports intelligent temperature control and data export;
- Specialized aviation plugs ensure signal stability.

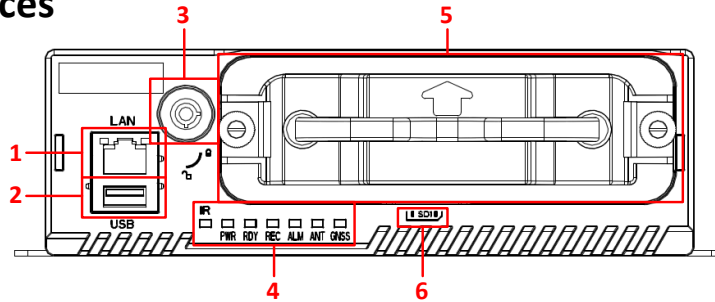


## Specifications

| Model               |                     | DS-M5504HNI Series  |
|---------------------|---------------------|---|
| Video/Audio input   | IP video input      | 4-ch  |
|                     | Audio input         | 4-ch  |
| Video/Audio output  | VGA output          | 1-ch. Resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                    |
|                     | CVBS output         | 2-ch. Resolution: PAL: 704 × 576, NTSC: 704 × 480   |
|                     | Audio output        | 2-ch  |
| Decoding parameters | Video compression   | H.264   |
|                     | Frame rate          | 25 fps (PAL)/30 (NTSC)  |
|                     | Audio compression   | G.711   |
|                     | Playback            | Local playback: single channel playback;<br>Web playback: single channel playback and multi-channel synchronous playback. |
| Hard disk           | Type                | Two 2.5-inch SATA HDDs/SSDs   |
|                     | Capacity            | Up to 1TB capacity for each disk supported  |
|                     | Installation        | Pluggable   |
|                     | Protection          | 3-generation hard disk box  |
|                     | Backup              | USB interfaces on hard disk box and device front panel supporting data backup   |
| Wireless Network    | 4G                  | FDD-LTE (for DS-M5504HNI/GLF/WI)  |
|                     | 3G                  | WCDMA (for DS-M5504HNI/GW and DS-M5504HNI/GW/WI)  |
|                     | Wi-Fi               | 802.11 b/g/n supported, 2.4GHz (for DS-M5504HNI/GW/WI and DS-M5504HNI/GLF/WI)   |
| Positioning         | GNSS                | GPS   |
| External interface  | Two-way audio       | 1-ch, G. 722  |
|                     | Sensor-in           | 4 high/low level signal inputs; 1 pulse signal input (reserved)   |
|                     | Alarm input         | 3 high/low level signal inputs  |
|                     | Alarm output        | 2 signal outputs  |
|                     | Network interface   | 1 RJ45 10M/100M self-adaptive Ethernet interface.   |
|                     | Serial interface    | 1 RS-232 interface.<br>1 RS-422 interface, including reserved auto announcer interface.                                   |
|                     | USB interface       | 1 USB2.0 interface on the front panel;<br>1 USB 5-pin aviation plug on the rear panel.                                    |
|                     | PoE interface       | 4 RJ45 10M/100M self-adaptive PoE interfaces.   |
|                     | SIM card            | 1, standard SIM card slot   |
|                     | SD card             | 1, standard SD card slot  |
| General             | Operating system    | Embedded Linux operation system   |
|                     | Operating method    | Local operation, IR remote control, Web operation   |
|                     | Power supply        | 9 to 32 VDC   |
|                     | Consumption         | Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard disks)   |
|                     | Working temperature | -10 °C to +55 °C (+14 °F to +131 °F)  |
|                     | Working humidity    | 10% to 90%  |
|                     | Dimensions (W×D×H)  | 178 mm × 170 mm × 50 mm (7.0" × 6.7" × 2.0")  |
|                     | Weight              | ≤ 1.6 kg (3.53 lb) (without hard disk or SD card)   |

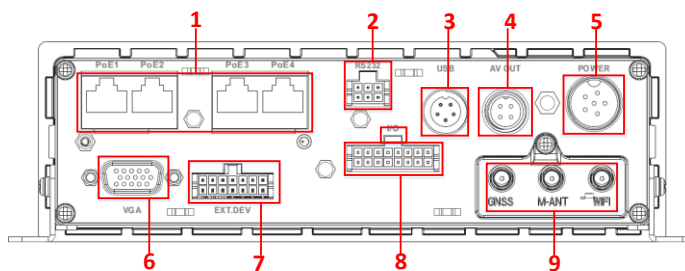
## Physical Interfaces

### Front Panel



| Index | Description           | Index | Description   |
|-------|-----------------------|-------|---------------|
| 1     | LAN Network Interface | 4     | Indicators    |
| 2     | USB Interface         | 5     | Hard Disk Box |
| 3     | Hard Disk Lock        | 6     | SD Card Slot  |

### Rear Panel



| Index | Description             | Index | Description   |
|-------|-------------------------|-------|---|
| 1     | PoE1 to PoE4 Interfaces | 6     | VGA Interface   |
| 2     | RS-232 Interface        | 7     | EXT. DEV (including audio output, two-way audio and RS-422) |
| 3     | USB Interface           | 8     | I/O (including alarm in, alarm out and sensor in)           |
| 4     | AV OUT                  | 9     | Pluggable Module (including 3G/4G, Wi-Fi and GPS)           |
| 5     | Power Supply            |       |   |

Distributed by

## Available Models

DS-M5504HNI,  
DS-M5504HNI/GW,  
DS-M5504HNI/GW/WI,  
DS-M5504HNI/GLF/WI

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