**HIKVISION**

# DS-M7508HNI Series Mobile NVR

## Introduction:

Adopting embedded Linux operating system, Hikvision DS-M7508HNI series dedicated Mobile NVR (Digital Video Recorder) provides powerful monitoring functionalities, including audio and video encoding & decoding, 3G & Wi-Fi (optional) wireless network transmission, satellite positioning service, secure data storage, hard disk vibration damping. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

Thanks to the features of high stability, easy-to-carry and low power consumption, the DS-M7508HNI series Mobile NVR is widely applied to the surveillance projects of public transportations, school buses, etc.
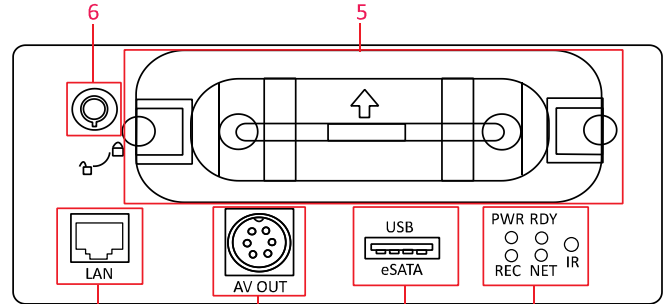
## Available Models:

DS-M7508HNI series

**NOTE**

The 3G dialing function is only supported by the "/GW" devices.

## Main Features:

- User-friendly GUI providing easy and flexible operations
- Pluggable 3G (WCDMA) 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
- Hikvision private protocol (4000 protocol) and ONVIF supported
- 8 independent network interfaces connectable to 8 IP cameras; each channel supporting up to 1080P resolution with H.264 encoding technology
- 3-ch CVBS video outputs and 3-ch audio outputs
- 1-ch VGA video output at up to 1920×1080 resolution
- Two pluggable 2.5-inch HDDs / SSDs, adopting hard disk vibration damping technology
- Information collection interfaces collecting driving information such as left/right turn, braking, backing up, etc.
- Hard disk box with USB interface supporting intelligent temperature control and data export
- Specialized aviation connectors ensuring signal stability
- Built-in G-sensor detecting and recording acceleration speed information in 3-axial (X, Y, Z) directions
- Delay (0~6h) shutdown and 24-hour scheduled startup/shutdown
- Wide-range power input (+8VDC ~+36 VDC)
- Power-off protection avoiding key data from loss
- Aluminum die-cast chassis with no fan design well adaptable to working environment
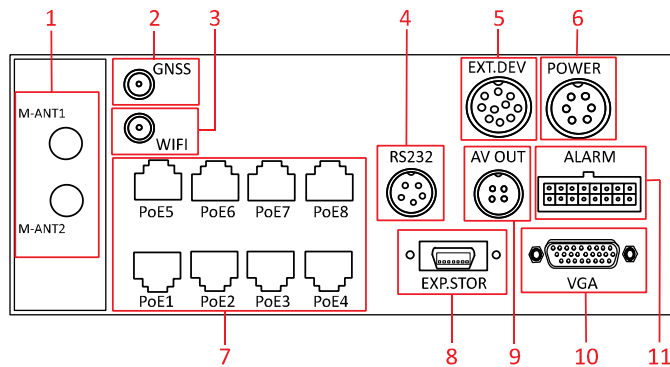- Software-based firewall supported

## Physical Interfaces:

**Front Panel**



| Index | Name | Description |
|-------|------|-------------|
| 1 | Indicators | **IR: IR Receiver** <br> Receive IR signal from remote control. <br><br> **PWR: Power indicator** <br> Light in green after device startup; light in red when device standby. <br><br> **RDY: Ready indicator** <br> Light in green after device starts up properly. <br><br> **REC: Record indicator** <br> Light in green in recording; light off when all recording channels are abnormal. <br><br> **NET: Network indicator** <br> Light in green when network connection is normal. |
| 2 | AV OUT | 6-pin aviation plug for audio & video output; providing DC12V power supply. |
| 3 | USB / eSATA | USB interface, eSATA interface |
| 4 | LAN | 10M/100M self-adaptive Ethernet interface |
| 5 | Hard disk lock | Lock/Unlock the hard disk box. |
| 6 | Hard disk box | Insert two 2.5-inch SATA HDDs / SSDs for data storage. |

**Rear Panel**



| Index | Name | Description |
|-------|------|-------------|
| 1 | M-ANT1; M-ANT2 | 3G antenna interfaces (M-ANT2, reserved) |
| 2 | GNSS | GNSS antenna interface |
| 3 | Wi-Fi (optional) | Wi-Fi antenna interface |
| 4 | RS232 | RS-232 interface, 5-pin aviation plug |
| 5 | EXT.DEV | RS-422 communication interface, 10-pin aviation plug |
| 6 | POWER | 6-pin aviation plug for power supply and start control |
| 7 | PoE1~POE8 | PoE interfaces connectable to IP cameras, providing the power supply |
| 8 | EXP.STOR (reserved) | Connectable to external storage device |
| 9 | AV OUT | 4-pin aviation plug for audio & video output; providing DC12V power supply. |
| 10 | VGA | VGA interface |
| 11 | ALARM | Alarm input / output interfaces |

**NOTE**

- Part function is optional. For details, see the actual device model.
- Pin definition of aviation plugs is for reference only. For details, see the tag on the corresponding component.

## Specifications

| Model | | DS-M7508HNI series |
|---|---|---|
| **Video/Audio input** | Analog video input | None |
| | IP video input | 8-ch, PoE supported |
| | Two-way audio | 1-ch, G.722 |
| | Incoming bandwidth | 160Mbps |
| **Video/Audio output** | Recording resolution | 1080P / 720P |
| | VGA output | 1-ch |
| | | Resolution: 1920×1080 / 60Hz, 1280×1024 / 60Hz, 1280×720 / 60Hz, 1024×768 / 60Hz |
| | CVBS output | 3-ch |
| | | Aviation plug (1.0 Vp-p, 75 Ω); resolution: PAL: 704 ×576, NTSC: 704 ×480 |
| | Audio output | 3-ch |
| | | Aviation plug (linear level,600 Ω) |
| **Decoding** | Live view | 8-ch |
| | Synchronous playback | 1-ch |
| **Hard disk** | Type | Two 2.5-inch SATA HDDs / SSDs, external storage expansion supported (reserved)<br>Note: If two HDDs / SSDs are installed, the disk size should be of 7mm. |
| | Capacity | Up to 2*1TB capacity supported |
| | Installation | Pluggable |
| | Protection | 3-generation hard disk box |
| | Backup | Hard disk box, USB interface and eSATA interface supporting data backup |
| **Wireless Network** | Dialing | 3G (WCDMA), dual SIM card mode reserved |
| | Wi-Fi (optional) | 802.11 b/g/n supported, 2.4GHz |
| **Positioning** | GNSS | GPS |
| **External interface** | Alarm in | 7-ch high/low level signal input; 1-ch pulse signal input; 3mm connector |
| | Alarm out | 2-ch; 3mm connector |
| | Network interface | 1; RJ45; 10M/100M self-adaptive Ethernet interface |
| | PoE | 8; RJ45 |
| | Antenna interface | SMA interfaces: two for 3G (one for reserved), one for Wi-Fi (optional) and one for GPS |
| | Serial interface | RS-232, RS-422, aviation plug |
| | eSATA interface | 1 |
| | USB interface | 1 ×USB2.0 |
| | EXP.STOR | Connectable to external HDD for storage expansion (reserved) |
| | SIM card | 2, standard SIM card slots (one for reserved) |
| **General** | Operating system | Linux |
| | Operating method | IR remote control |
| | Power supply | Input: +8~ +36VDC; Output: 12VDC/2A, 5VDC/1A |
| | Consumption | Standby: Max. 0.5W; Full load: Max.20W (without IP camera or hard disk) |
| | Working temperature | -10 ℃ ~ +55 ℃ (14 ℉ ~ 131 ℉) |
| | Working humidity | 10%~90% |
| | Dimensions (W×D×H) | 245.8mm×202mm×86.87mm |
| | Weight | Aprox.3.3kg (without hard disk) |