

## DS-MP7608HN(B) Intelligent Mobile Video Recorder



### Introduction

Hikvision DS-MP7608HN(B) Intelligent MVR is based on deep-learning algorithm, it is mainly designed for driver behavior supervision and traffic safety protection. The product can detect multiple event types including using mobile phone, smoking, fatigue driving, distraction, seatbelt unbuckled, driver exception, and wearing sunglasses. When abnormal behavior events occur, the early warning alert function is able to overlay the warning information on preview, and search the corresponding record file.

### Key Feature

- Connects 8-ch IP cameras via PoE interfaces. Connects 8 more IP cameras via PoE switch.
- Up to 1080p resolution of H.264/H.265 compression for each IP camera.
- One CVBS video output interface. One VGA video output interface with up to 1080p resolution.
- 1-ch driver behavior analysis: using mobile phone, smoking, fatigue driving, distraction, seatbelt unbuckled, driver exception, and wearing sunglasses.
- 2-ch license plate recognition.
- Two pluggable 2.5-inch HDDs/SSDs, adopting hard disk vibration damping technology.
- Pluggable 3G/4G module and Wi-Fi module providing flexible data transmission solutions.
- Built-in GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream.
- Information collection interfaces collecting driving information such as left/right turning, braking, reversing, etc.
- Shutdown delay (0 h to 6 h) and 24-hour scheduled startup/shutdown.
- Wide-range power input (+9 VDC to +32 VDC).
- Power-off protection prevents key data from loss.
- Supports accessing via WEB browser.
- Aluminum die-cast chassis.

### Available Model

DS-MP7608HN(B), supporting M12

DS-MP7608HN(B)/GW/WI58, supporting M12, 3G dialing, and 5.8G Wi-Fi

DS-MP7608HN(B)/GLF/WI58, supporting M12, 4G dialing, and 5.8G Wi-Fi

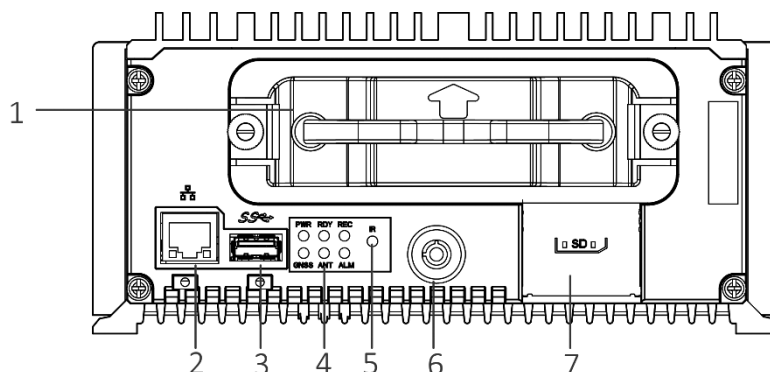


# Specifications

| Model                        |                                           | DS-MP7608HN(B)/M12(/GW)(/WI)(/WI58)                                                                                                                                                                   |
|------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio Input            | IP Camera                                 | 16 in total: 8 IP cameras connected via PoE interfaces, 8 IP cameras extendable via PoE interfaces                                                                                                    |
|                              | Two-way Audio                             | 1, integrated in EXT.DEV interface                                                                                                                                                                    |
| Video/Audio Output           | Video Output                              | CVBS: 1, PAL: 704 × 576, NTSC: 704 × 480<br>VGA: 1, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768                                                                                                  |
|                              | Audio Output                              | 1                                                                                                                                                                                                     |
| Encoding/Decoding parameters | Video Compression                         | H.264, H.265                                                                                                                                                                                          |
|                              | Encoding Resolution                       | Main stream: 1080p/720p/WD1/4CIF, sub-stream: 4CIF/2CIF/CIF                                                                                                                                           |
|                              | Frame Rate                                | PAL: 1 to 25fps; NTSC: 1 to 30fps                                                                                                                                                                     |
|                              | Audio Compression                         | G.722                                                                                                                                                                                                 |
|                              | Stream Type                               | Video, video & audio                                                                                                                                                                                  |
|                              | Audio Bitrate                             | 16 Kbps                                                                                                                                                                                               |
|                              | Dual Stream                               | Support                                                                                                                                                                                               |
| Storage                      | HDD/SSD                                   | 2 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD                                                                                                                                                     |
|                              |                                           | Dummy HDD with USB 3.0 interface                                                                                                                                                                      |
|                              | SD card                                   | 1 × SD card, up to 256 GB                                                                                                                                                                             |
| Wireless network             | 3G/4G dialing                             | 1 × 3G/4G card slot, 1 × Rosenberger antenna                                                                                                                                                          |
|                              | Wi-Fi                                     | <ul style="list-style-type: none"> <li>WI58 model: 2 × 5.8 G Wi-Fi SMA antenna</li> <li>WI model: 1 × 2.4 G Wi-Fi SMA antenna</li> </ul>                                                              |
| Positioning                  | GNSS (Global Navigation Satellite System) | GPS (Global Positioning System), 1 × Rosenberger antenna                                                                                                                                              |
| PoE                          | PoE Interface                             | 8 × M12 PoE interface                                                                                                                                                                                 |
|                              | Max. Consumption                          | 51 W                                                                                                                                                                                                  |
| External interface           | Network Interface                         | <ul style="list-style-type: none"> <li>Front panel: 1 × 10M/100M/1000M RJ45 Ethernet interface</li> <li>Rear panel: 1 × 10M/100M/1000M M12 Ethernet interface</li> </ul>                              |
|                              | Serial Port                               | 2 × RS-232, 1 × RS-485, 1 × RS-422 (integrated in EXT.DEV interface)                                                                                                                                  |
|                              | CAN interface                             | 2                                                                                                                                                                                                     |
|                              | USB Interface                             | Front panel: 1 × USB 3.0, Rear panel: 1 × USB 2.0 of 5-pin aviation plug                                                                                                                              |
|                              | Sensor-in                                 | 4 high/low level signal inputs                                                                                                                                                                        |
|                              | Alarm Input                               | 4 high/low level signal inputs, 1 pulse signal input, 1 BUTTON input (reserved)                                                                                                                       |
|                              | Alarm Output                              | 2 relay signal outputs                                                                                                                                                                                |
| Smart Function               | Driver Behavior Analysis                  | Using mobile phone, smoking, fatigue driving, and not looking straight ahead                                                                                                                          |
|                              | LPR                                       | Support                                                                                                                                                                                               |
| General                      | Operating Method                          | Mouse, IR remote control, Web control, and touchscreen                                                                                                                                                |
|                              | Power Supply                              | 9 to 32 VDC                                                                                                                                                                                           |
|                              | Consumption                               | Standby: ≤ 0.5 W    Full load: ≤ 99 W<br>Note: Without peripheral and storage media ≤ 20 W                                                                                                            |
|                              | Working Temperature                       | <ul style="list-style-type: none"> <li>Device that provides dummy HDD with heating function: -30 °C to +60 °C (-22 °F to +140°F)</li> <li>Other devices: -10 °C to +60 °C (14 °F to 140°F)</li> </ul> |
|                              | Working Humidity                          | 10% to 95%                                                                                                                                                                                            |
|                              | Dimensions (W × D × H)                    | 202 × 267.6 × 93.9 mm (8.0 × 14.5 × 3.7 inch)                                                                                                                                                         |
|                              | Weight (Without Storage Media)            | 3.66 kg (8.07 lb)                                                                                                                                                                                     |

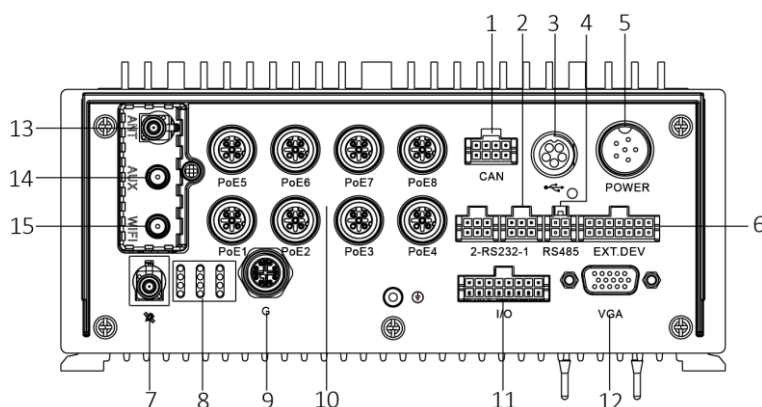
# Physical Interfaces

## Front Panel



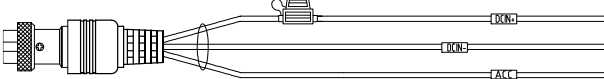
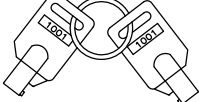
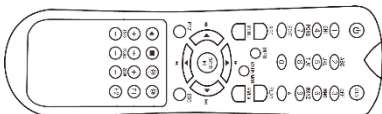
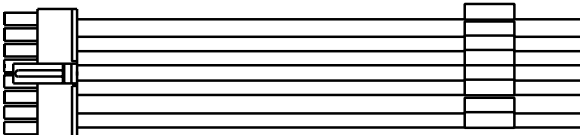
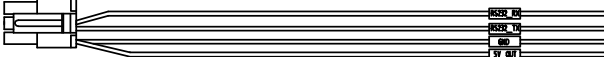
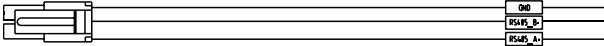
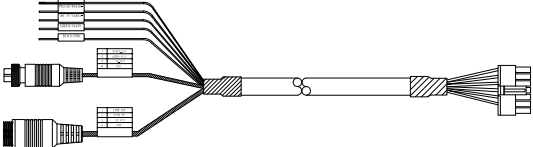
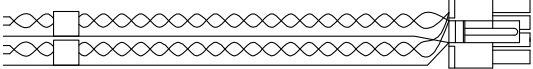
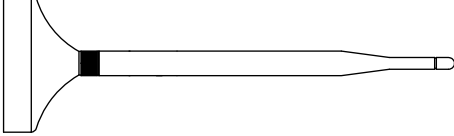
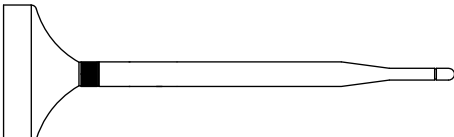
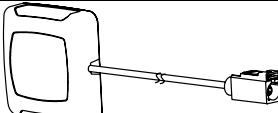
| No. | Name                                   | No. | Name             |
|-----|----------------------------------------|-----|------------------|
| 1   | Dummy HDD/SSD                          | 4   | Power indicator  |
| 2   | 10M/100M/1000M RJ45 Ethernet interface |     | Ready indicator  |
| 3   | USB 3.0 interface                      |     | Record indicator |
| 5   | IR receiver                            |     | GNSS indicator   |
| 6   | Lock/Unlock the hard disk box          |     | ANT indicator    |
| 7   | SD card slot                           |     | Alarm indicator  |

## Rear Panel

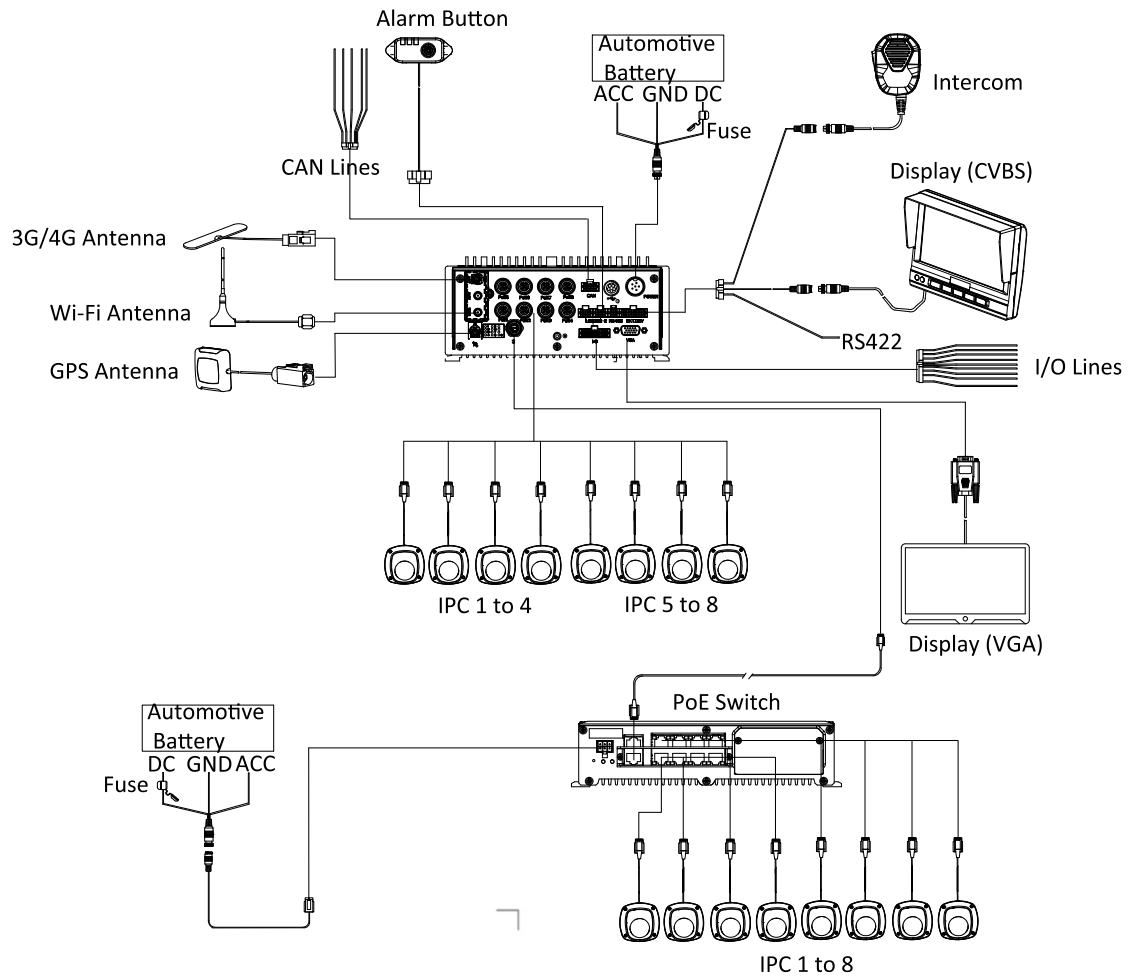


| No. | Name                                                                                              | No. | Name                                                                                        |
|-----|---------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------|
| 1   | 2 × CAN interface                                                                                 | 9   | 10M/100M/1000M M12 Ethernet interface                                                       |
| 2   | 2 × RS-232 interface                                                                              | 10  | 8 × M12 PoE interface                                                                       |
| 3   | USB interface of 5-pin aviation plug                                                              | 11  | I/O interface: 4-ch alarm input, 2-ch alarm output, 4-ch sensor in, 1-ch pulse signal input |
| 4   | RS-485 interface                                                                                  | 12  | VGA video output interface                                                                  |
| 5   | 6-pin aviation plug for power supply                                                              | 13  | Main 3G/4G antenna interface                                                                |
| 6   | EXT.DEV interface: RS-422 communication interface, two-way audio interface, and CVBS video output | 14  | Aux Wi-Fi antenna interface                                                                 |
| 7   | GNSS antenna interface                                                                            | 15  | Main Wi-Fi antenna interface                                                                |
| 8   | Channel and network indicators                                                                    |     |                                                                                             |

## Packing List

| Description          | Quantity | Picture                                                                              | Note                       |
|----------------------|----------|--------------------------------------------------------------------------------------|----------------------------|
| Fuse                 | 2        |     |                            |
| Power cord           | 1        |    |                            |
| Key                  | 1        |     |                            |
| Remote control       | 1        |     |                            |
| Alarm line           | 1        |    |                            |
| Serial port line     | 1        |  |                            |
| 485 line             | 1        |  |                            |
| Extension cable      | 1        |  |                            |
| Screwdriver          | 1        |   |                            |
| CAN cable            | 1        |  |                            |
| 3G/4G antenna        | 1        |  | For GW/GLF model.          |
| Wi-Fi antenna (2.4G) | 1        |   | For WI model.              |
| Wi-Fi antenna (5.8G) | 2        |   | For WI58 model.            |
| GPS antenna          | 1        |   | For model with GPS module. |

## Peripheral Connection



Distributed by

**HIKVISION®**

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