DS-MP7508 Series Mobile Video Recorder

Features and Functions

- User-friendly GUI providing easy and flexible operations.
- Pluggable 3G/4G module and built-in Wi-Fi module providing flexible data transmission solutions.
- Supports connecting high-definition TVI camera.
- 8 analog cameras and 8 IP cameras connectable; each channel supports up to 1080p resolution with H.264 encoding technology.
- Information collection interfaces collecting driving information such as left/right turn, braking, reversing, etc.
- Specialized aviation connectors ensuring signal stability.
- Ignition startup and delay (0 to 6h) shutdown.
- Battery protection avoids vehicle from running out of battery.
- Wide-range power input (+9 to +32 VDC).
- Power-off protection avoids key data from loss.
- Tensile aluminum chassis with no fan design well adaptable to working environment.
- Software-based firewall supported.
- GNSS (Global Navigation Satellite System) module precisely positioning the vehicle via the satellite and recording the location information in the stream.
- Stores videos on SD card when the HDD/SSD is damaged.
- Support standard 256 GB Micro SD/SDHC/SDXC card storage.
- Dummy HDD with USB interface supporting intelligent temperature control and data export.

Available Models

DS-MP7508,
DS-MP7508/GW, (Supports 3G dialing)
DS-MP7508/GW/WI, (Supports 3G dialing and 2.4G Wi-Fi)
DS-MP7508/GW/WI58, (Supports 3G dialing and 5.8G Wi-Fi)
DS-MP7508/GLF/WI, (Supports 4G dialing and 2.4G Wi-Fi)
DS-MP7508/GLF/WI58, (Supports 4G dialing and 5.8G Wi-Fi)
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-MP7508</th>
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</table>

### Video/Audio Input
- **Analog Camera**: 8 TVI cameras, up to 1080p resolution
- **IP Camera**: 8 IP cameras, up to 1080p resolution
- **Two-way Audio**: 1, integrated in EXT.DEV interface

### Video/Audio Output
- **Video Output**: 1 CVBS video output, 1 VGA video output

### Encoding/Decoding Parameters
#### Video Compression
- H.264, H.264+

#### Encoding Resolution
- Main stream: 1080/720/WD1/4CIF, sub-Stream: 4CIF/2CIF/CIF

#### Frame Rate
- PAL: 1 to 25fps, NTSC: 1 to 30fps

#### Audio Compression
- G.711

#### Stream Type
- Video, video & audio

#### Audio Bitrate
- 16 Kbps

#### Dual Stream
- Supported

### Storage
- **HDD/SSD**: 2 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD

### Wireless Network
- **3G/4G Dialing**: 1 × 3G/4G card slot, 1 × Rosenberger antenna
- **SD card**: 1 × SD card slot, up to 256 GB
- **Wi-Fi**
  - WIS8 model: 2 × 5.8 G Wi-Fi SMA antenna
  - WI model: 1 × 2.4 G Wi-Fi SMA antenna

### Positioning
- **GNSS (Global Navigation Satellite System)**
- **GPS (Global Positioning System)**, 1 × Rosenberger antenna

### External Interface
#### Network Interface
- 1 × RJ45 10M/100M/1000M self-adaptive Ethernet interface

#### Serial Port
- 1 × RS-232, 1 × RS-422

#### USB Interface
- Front panel: 1 × standard USB 2.0 and 1 × A-type USB 3.0
- Rear panel: 1 × USB 2.0 of 5-pin aviation plug

#### Sensor-in
- 4 high/low level signal inputs, 1 pulse signal inputs

#### Alarm Input
- 4 high/low level signal inputs

#### Alarm Output
- 2 relay signal outputs

### Operating Method
- **Mouse**, **IR remote control**, and **Web control**

### Power Supply
- 9 to 32 VDC

#### Consumption
- **Standby**: ≤ 0.5 W
- **Full load**: ≤ 99 W
- **Note**: Without peripheral and storage media: ≤ 20 W

### Working Temperature
- **Device that provides dummy HDD with heating function**:
  - -30 °C to +60 °C (-22 °F to 140°F)
- **Other devices**:
  - -10 °C to +60 °C (14 °F to 140°F)

### Working Humidity
- 10% to 90%

### Dimensions (W × D × H)
- 202 × 260.6 × 85.5mm (8.0 × 10.3 × 3.4 inch)

### Weight (Without Storage Media)
- 3 kg (6.6 lb)
**Physical Interfaces**

### Front Panel

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>No.</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dummy HDD</td>
<td>4</td>
<td>Power indicator</td>
</tr>
<tr>
<td>2</td>
<td>A-type USB 3.0 interface</td>
<td>2</td>
<td>Ready indicator</td>
</tr>
<tr>
<td>3</td>
<td>Standard USB 2.0 interface</td>
<td>3</td>
<td>Record indicator</td>
</tr>
<tr>
<td>5</td>
<td>IR receiver</td>
<td>5</td>
<td>GNSS indicator</td>
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<tr>
<td>6</td>
<td>Lock/Unlock the hard disk box.</td>
<td>6</td>
<td>ANT indicator</td>
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<tr>
<td>7</td>
<td>SD card slot</td>
<td>7</td>
<td>Alarm indicator</td>
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### Rear Panel

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<tr>
<th>No.</th>
<th>Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Wi-Fi antenna interface</td>
<td>7</td>
<td>6-pin aviation plug for power supply</td>
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<tr>
<td>2</td>
<td>CAN interface</td>
<td>8</td>
<td>GNSS antenna interface</td>
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<tr>
<td>3</td>
<td>RS-232 interface</td>
<td>9</td>
<td>Video inputs</td>
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<tr>
<td>4</td>
<td>RS-422 communication interface, two-way</td>
<td>10</td>
<td>Network interface</td>
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<td>audio interface, and CVBS video output.</td>
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<tr>
<td>5</td>
<td>4-ch alarm inputs, 4-ch sensor in, 1-ch</td>
<td>11</td>
<td>VGA video output interface</td>
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<td></td>
<td>pulse signal input.</td>
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<tr>
<td>6</td>
<td>USB interface of 5-pin aviation plug</td>
<td>12</td>
<td>3G/4G dialing antenna interface</td>
</tr>
<tr>
<td>Description</td>
<td>Quantity</td>
<td>Picture</td>
<td>Note</td>
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<td>Fuse</td>
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<td>Screwdriver</td>
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<td>CAN cable</td>
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<td>3G/4G antenna (2.4G)</td>
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<td><img src="image" alt="3G/4G antenna" /></td>
<td>For GW and GLF model.</td>
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<td>Wi-Fi antenna (2.4G)</td>
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<td>Wi-Fi antenna (5.8G)</td>
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<tr>
<td>GPS antenna</td>
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<td><img src="image" alt="GPS antenna" /></td>
<td>For model with GPS module.</td>
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