DS-MP3516-RH Mobile Video Recorder

Key Feature

- Up to 32-ch 2 MP IP cameras access via 8-pin M12 X-coding Ethernet interface. And 6-ch IP cameras via 6-pin aviation plug which can provide power supply and 100M Ethernet connection.
- 6 pluggable 2.5-inch HDDs/SSDs, adopting hard drive vibration damping technology.
- H.265 video compression to save storage capacity.
- Redundant recording to raise data security.
- Power-off protection to prevent key data loss.
- Dummy HDD with USB interface supporting intelligent temperature control and data export.
- Specialized aviation connectors to ensure signal stability.
- 24-hour scheduled startup/shutdown.
- Wide-range power input.
- 1-ch CVBS and 1-ch VGA video output;
- Aluminum die-cast chassis well adaptable to working environment.
- Support accessing via WEB browser.
- User-friendly GUI providing easy and flexible operations.
- Built-in GPS module precisely positioning the vehicle via the satellite and recording the location information in the video stream.

Available Model

DS-MP3516-RH (DC110V)
DS-MP3516-RH (DC48V)
## Specification

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>DS-MP3516-RH</strong></th>
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</table>

### Video/audio input
- **IP Camera**: 32-ch
- **Two-way Audio**: 1, integrated in EXT.DEV interface

### Video/audio output
- **Video Output**: Main output: 1, integrated in EXT.DEV interface, VGA: 1
- **Audio Output**: 1

### Encoding/decoding parameters
- **Video Compression**: H.264/H.265
- **Encoding Resolution**: Main stream: 1080p/720p/WD1/4CIF, Sub-stream: 720p/WD1/4CIF
- **Audio Compression**: G.711/G.722.1

### Storage
- **HDD/SSD**: 6 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD, A dummy HDD with USB 3.0 interface

### Positioning
- **GNSS (Global Navigation Satellite System)**: GPS (default) & GLONASS, 1 × SMA antenna

### External interface
- **Network Interface (Video Input)**: 6 × 12M-6H interface (100M with 12 VDC power supply), 1 × M12 X-coding interface (1000M)
- **Network Interface (Others)**: 1 × 10M/100M RJ45 Ethernet interface (for debugging)
- **Serial Port**: 2 × RS-232 (1 x DB9 for debugging; 1 x 6-pin plastic plug, used with alarm button of DS-1530HM), 1 × RS-422 (integrated in EXT.DEV interface)
- **USB Interface**: 1 × USB 3.0
- **Alarm Input**: 8 high/low level signal inputs, 1 pulse signal input (reserved)
- **Alarm Output**: 2 relay signal outputs

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

### Power Supply (Optional)
- 60 to 160 VDC (110 VDC recommended)
- 18 to 60 VDC (48 VDC recommended)

### Consumption
- **Standby**: ≤ 0.5 W
- **Full load**: ≤ 99 W
- **Bare**: ≤ 20 W (without display, camera, and HDD)

### General
- **Working Temperature**:
  - Device of which the dummy HDD provides 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 95%
- **Dimension (W × D × H)**: 482 × 284.3 × 89.5 mm (19.0 × 11.2 × 3.5 inch)
- **Weight (Without Storage Media)**: 6.5 kg (14.3 lb)
### Physical Interface

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<thead>
<tr>
<th>No.</th>
<th>Name</th>
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<th>Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Wi-Fi antenna interfaces (reserved)</td>
<td>10</td>
<td>1000M network interface</td>
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<tr>
<td>2</td>
<td>M-ANT (reserved)</td>
<td>11</td>
<td>Dummy HDD</td>
</tr>
<tr>
<td>3</td>
<td>GNSS</td>
<td>12</td>
<td>VGA</td>
</tr>
<tr>
<td>4</td>
<td>Indicators (PWR/IPC/REC/G/HDD/ALM)</td>
<td>13</td>
<td>RS-232-2</td>
</tr>
<tr>
<td>5</td>
<td>SIM card slot (reserved)</td>
<td>14</td>
<td>EXT.DEV (RS-422 communication interface, two-way audio interface, and CVBS video output)</td>
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<tr>
<td>6</td>
<td>RS-232-1</td>
<td>15</td>
<td>I/O (ALARM IN, ALARM OUT)</td>
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<tr>
<td>7</td>
<td>USB interface</td>
<td>16</td>
<td>Power supply</td>
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<tr>
<td>8</td>
<td>IP camera inputs</td>
<td>17</td>
<td>Dummy HDD lock</td>
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<tr>
<td>9</td>
<td>100M network interface</td>
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Note: RS-422 communication interface, two-way audio interface, and CVBS video output.
<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Picture</th>
<th>Note</th>
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<tbody>
<tr>
<td>Power cord</td>
<td>1</td>
<td><img src="image1" alt="Power cord" /></td>
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<tr>
<td>Key</td>
<td>1</td>
<td><img src="image2" alt="Key" /></td>
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</tr>
<tr>
<td>M12 switching line</td>
<td>1</td>
<td><img src="image3" alt="M12 switching line" /></td>
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<tr>
<td>Alarm line</td>
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<td><img src="image4" alt="Alarm line" /></td>
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<tr>
<td>RS-232 line</td>
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<td><img src="image5" alt="RS-232 line" /></td>
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<tr>
<td>Extension cable</td>
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<td><img src="image6" alt="Extension cable" /></td>
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<td>Bracket Aluminum Block</td>
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<td><img src="image7" alt="Bracket Aluminum Block" /></td>
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<tr>
<td>Installation Bracket Component</td>
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<td><img src="image8" alt="Installation Bracket Component" /></td>
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<tr>
<td>GPS antenna</td>
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<td><img src="image9" alt="GPS antenna" /></td>
<td>For model with GPS module.</td>
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