

DS-MP3504-SD Series Mobile Video Recorder



Introduction

Adopting embedded Linux operating system, Hikvision DS-MP3504-SD series mobile video recorder provides powerful monitoring functionalities, including audio and video encoding & decoding, secure data storage. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system. Owing to the features of high stability, small in size and low power consumption, DS-MP3504-SD is widely applied to the surveillance projects of truck, taxi, etc.

Available Model

DS-MP3504-SD

Features and Functions

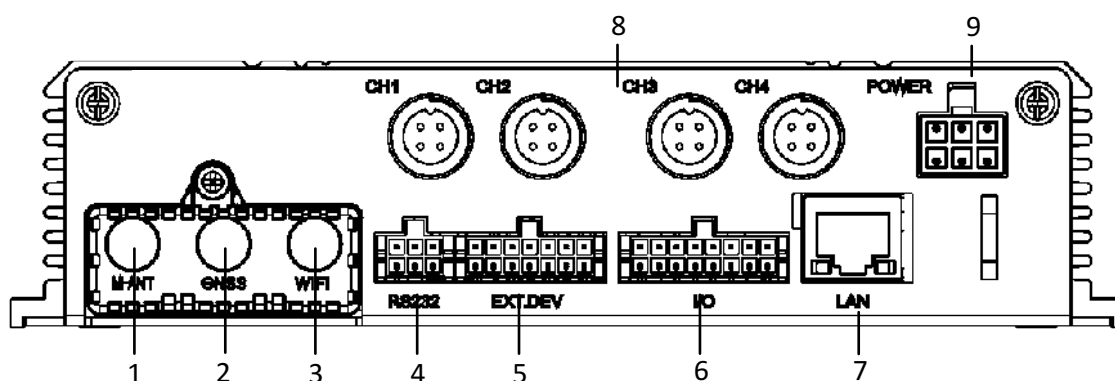
- 4-ch TVI camera of audio & video inputs connectable.
- Each channel supports up to 720p resolution with H.264/H.264+ encoding technology.
- 1-ch CVBS video output and 1-ch CVBS audio output.
- User-friendly GUI providing easy and flexible operations.
- 2 SD cards accessible. Up to 256 GB capacity for each.
- Power-off protection avoiding key data from loss.
- Information collection interfaces collecting driving information such as left/right turn, braking, reversing, etc.
- Specialized aviation connectors ensuring signal stability.
- Ignition start, delay (0 to 6 hours) shutdown and 24-hour scheduled startup/shutdown.
- Wide-range power input (+9 VDC to +32 VDC).
- Aluminum die-cast chassis with no-fan design well adaptable to working environment.
- Mirror image for rear view camera.



Specifications

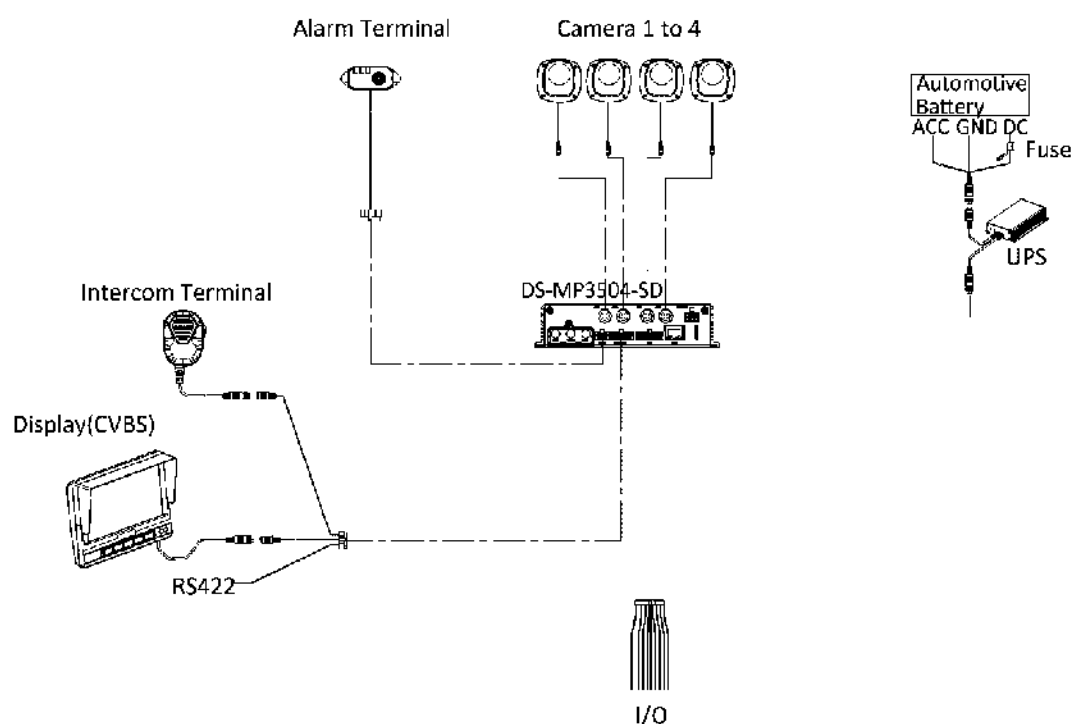
| Model | | DS-MP3504-SD |
|------------------------------|---|--|
| Video/Audio Input | Analog Camera | 4 HD-TVI cameras, aviation plug |
| | Audio Input | 1-ch, linear (1.0 Vp-p, 1K Ω) |
| | Two-way Audio | 1, integrated in EXT.DEV interface |
| Video/Audio Output | Video Output | 1 CVBS output, resolution: PAL: 704 \times 576, NTSC: 704 \times 480 |
| | Audio Output | 1, linear (2.0 Vp-p, 600 Ω) |
| Encoding/Decoding Parameters | Video Compression | H.264, H.264+ |
| | Encoding Resolution | Main stream: 720p/WD1/4CIF/2CIF/CIF, sub-stream: CIF/QCIF |
| | Frame Rate | PAL: 1 to 25fps; NTSC: 1 to 30fps |
| | Audio Compression | G.711 |
| | Stream Type | Video, Video & Audio |
| | Audio Bitrate | 16kbps |
| | Dual Stream | Supported |
| Storage | SD Card | 2 \times SD card, up to 256 GB. (64 GB SD card is delivered by default) |
| Wireless Network | 3G/4G Dialing | Optional |
| | Wi-Fi | Optional |
| Positioning | GNSS (Global Navigation Satellite System) | Optional |
| External Interface | Network Interface | 1 \times RJ45 10M/100M self-adaptive Ethernet interface |
| | Serial Port | 1 \times RS 232, 1 \times RS 485 |
| | USB Interface | Front panel: 1 \times USB 2.0 |
| | Sensor-in | 4 high/low level signal inputs, 1 pulse signal input (reserved) |
| | Alarm Input | 3 high/low level signal inputs |
| | Alarm Output | 2 relay signal outputs |
| General | Operating Method | Mouse, IR remote control, and Web control |
| | Power Supply | 9 to 32 VDC |
| | Consumption | <ul style="list-style-type: none"> Standby: \leq 0.5 W Full load: \leq 20 W (without peripheral and storage media) |
| | Working Temperature | -10 $^{\circ}$ C to +60 $^{\circ}$ C (14 $^{\circ}$ F to 140 $^{\circ}$ F) |
| | Working Humidity | 10% to 90% |
| | Dimensions (W \times D \times H) | 184 \times 153 \times 44 mm (7.2 \times 6.0 \times 1.7 inch) |
| | Weight (Without Storage Media) | 0.87 kg (1.9 lb) |

Physical Interfaces


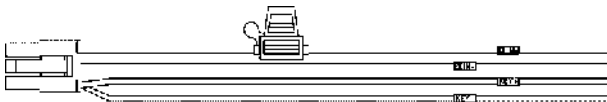

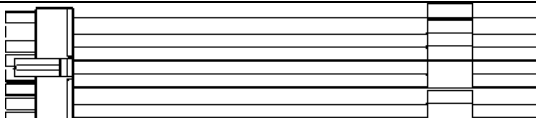
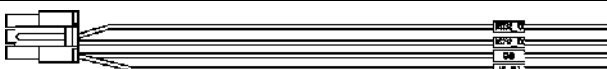
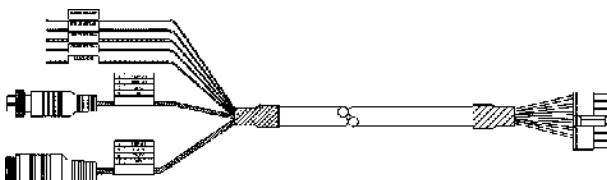

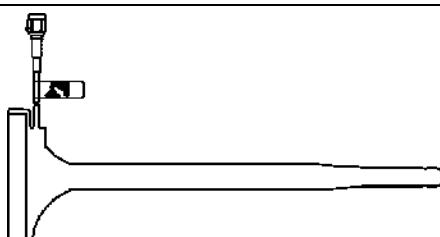
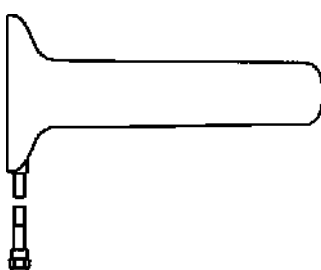
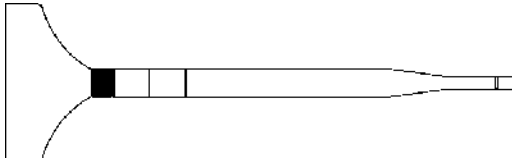
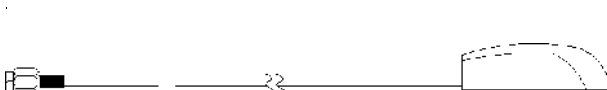


| No. | Name | Description |
|-----|---------|--|
| 1 | M-ANT | Reserved. |
| 2 | GNSS | Reserved. |
| 3 | WIFI | Reserved. |
| 4 | RS-232 | RS-232 interface. |
| 5 | EXT.DEV | RS-422 communication interface for PTZ control, two-way audio, CVBS video output. |
| 6 | I/O | 7-ch high/low level signal trigger including 3-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input. |
| 7 | LAN | 10M/100M self-adaptive Ethernet interface |
| 8 | CH1~CH4 | 4-pin aviation plug, audio & video input of channel 1~4. |
| 9 | POWER | 6-pin aviation plug for power supply and start control. |

Peripheral Connection



Packing List

| Description | Quantity | Picture | Note |
|-----------------|----------|--|----------------------------|
| Fuse | 2 |  | |
| Power cord | 1 |  | |
| Key | 1 |  | |
| Alarm line | 1 |  | |
| RS-232 line | 1 |  | |
| Extension cable | 1 |  | |
| Screwdriver | 1 |  | |
| 3G antenna | 1 |  | For GW model. |
| 4G antenna | 1 |  | For GLF model. |
| Wi-Fi antenna | 1 |  | For WI model. |
| GPS antenna | 1 |  | For model with GPS module. |