

## 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

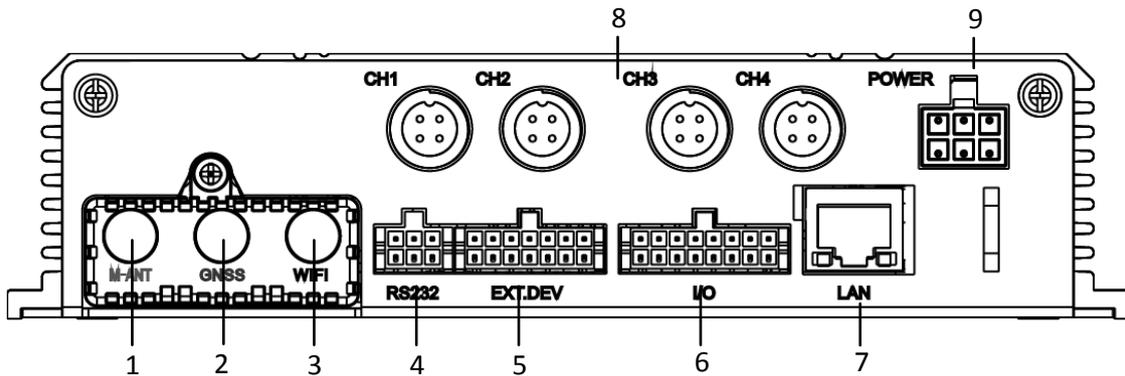
- 4-ch TVI camera of audio & video inputs connectable.
- Each channel supports up to 720p resolution with H.264/H.264+ encoding technology.
- 1-ch CVBS video output and 1-ch CVBS audio output.
- User-friendly GUI providing easy and flexible operations.
- 2 SD cards accessible. Up to 256 GB capacity for 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

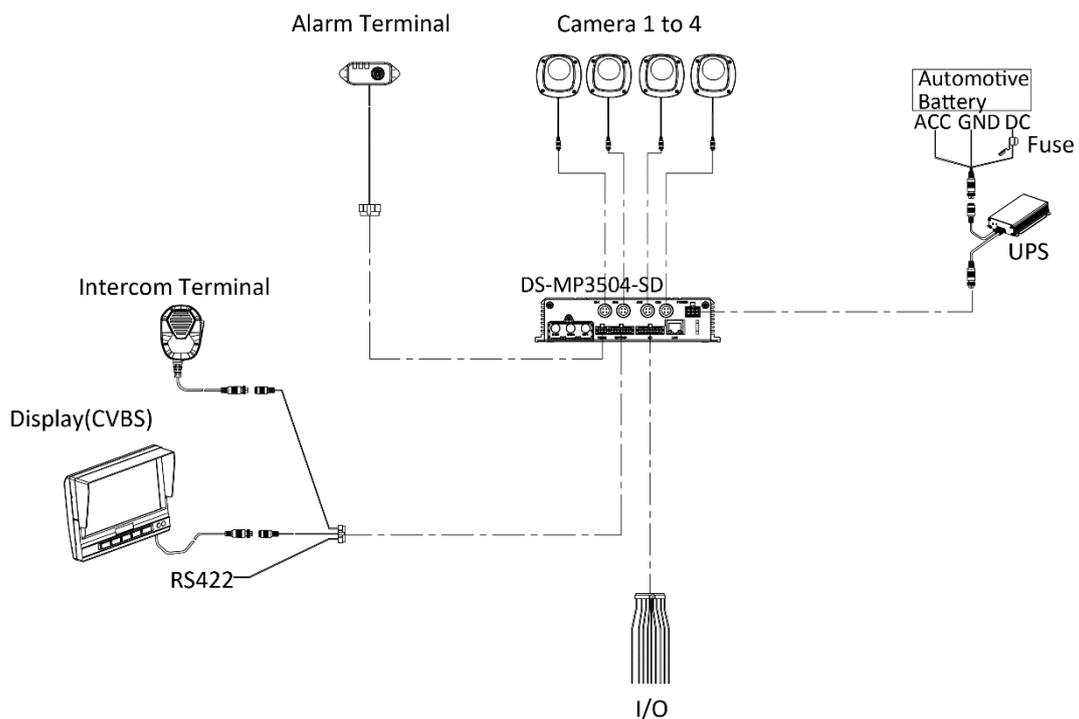
Model		DS-MP3504-SD
Video/Audio Input	Analog Camera	4 HD-TVI cameras, aviation plug
	Audio Input	1-ch, linear (1.0 Vp-p, 1K $\Omega$ )
	Two-way Audio	1, integrated in EXT.DEV interface
Video/Audio Output	Video Output	1 CVBS output, resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio Output	1, linear (2.0 Vp-p, 600 $\Omega$ )
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 × 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 × RJ45 10M/100M self-adaptive Ethernet interface
	Serial Port	1 × RS 232, 1 × RS 485
	USB Interface	Front panel: 1 × 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"> <li>● Standby: <math>\leq 0.5</math> W</li> <li>● Full load: <math>\leq 20</math> W (without peripheral and storage media)</li> </ul>
	Working Temperature	-10 °C to +60 °C (14 °F to 140°F)
	Working Humidity	10% to 90%
	Dimensions (W × D × H)	184 × 153 × 44 mm (7.2 × 6.0 × 1.7 inch)
	Weight (Without Storage Media)	0.87 kg (1.9 lb)

## Physical Interfaces

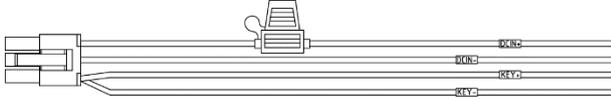
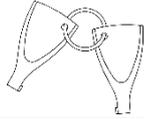
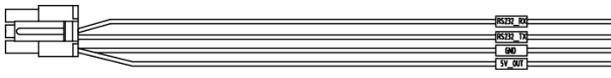
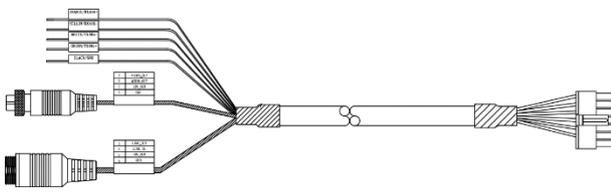
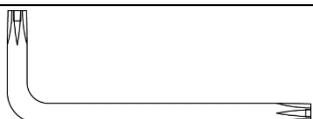
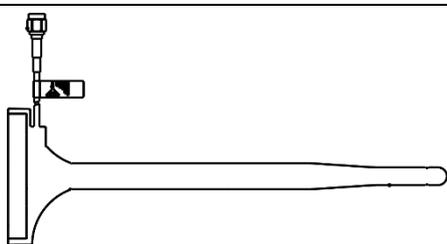
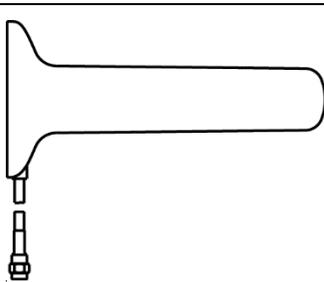
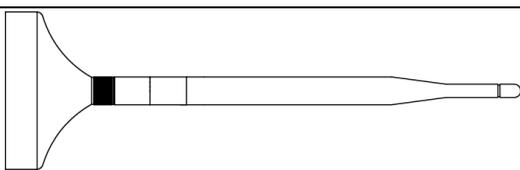
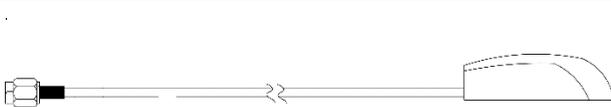


No.	Name	Description
1	M-ANT	Reserved.
2	GNSS	Reserved.
3	WIFI	Reserved.
4	RS-232	RS-232 interface.
5	EXT.DEV	RS-422 communication interface for PTZ control, two-way audio, CVBS video output.
6	I/O	7-ch high/low level signal trigger including 3-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input.
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.