

## DS-M5504HMI-SD Series Mobile DVR



### Features and Functions

- User-friendly GUI providing easy and flexible operations.
- Pluggable 4G (FDD-LTE), 3G (WCDMA) and Wi-Fi module providing flexible data transmission solutions.
- Pluggable GPS (Global Position System) module precisely positioning the vehicle via the satellite and recording the location information in the stream.
- 4 analog channels of audio & video inputs connectable; each channel supports up to 4CIF resolution with H.264 encoding technology.
- Two SD cards with 128G capacity can be plugged for data storage.
- Information collection interfaces collecting driving information such as left/right turn, braking, rolling back, etc.
- Left/right mirror type of the image configurable;
- Software-based firewall supported.
- Support accessing via WEB browser;
- Wide-range power input (9 to 32 VDC).
- Ignition startup and delay (0 to 6h) shutdown.
- Power-off protection avoiding key data from loss.
- Tensile aluminum chassis of good heat dissipation performance with no fan design which well adapts to working environment;
- Specialized aviation connectors ensuring signal stability.

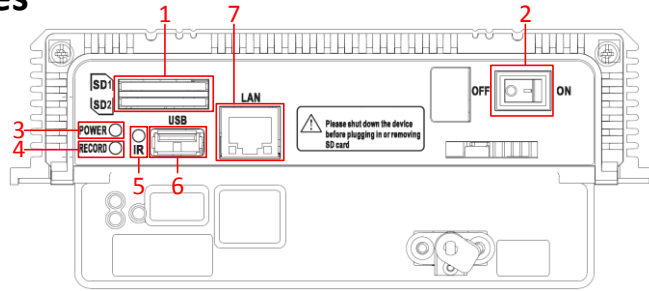


## Specifications

Model		DS-M5504HMI-SD Series
Video/Audio input	Analog video input	4-ch
		Aviation plug (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
	Audio input	4-ch
		Aviation plug (linear level, 1kΩ)
Video/Audio output	Video output	1-ch
		Aviation plug (1.0 Vp-p, 75 Ω); resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch
		Aviation plug (linear level, 600 Ω)
Encoding/Decoding parameters	Video compression	H.264
	Encoding resolution	Main stream: 4CIF/2CIF/CIF
		Sub stream: CIF/QCIF
	Frame rate	PAL: 1 to 25fps; NTSC: 1 to 30fps
	Video bitrate	32Kbps to 2Mbps; custom (Max.: 4Mbps)
	Audio compression	G.711
	Audio bitrate	16 Kbps
	Stream type	Video, Video & Audio
Dual stream	Supported	
SD Card	Type	2 SD cards
	Capacity	Up to 128GB for each card
	Installation	Pluggable
Wireless Network	4G	FDD-LTE (for DS-M5504HMI-SD/GLF/WI)
	3G	WCDMA (for DS-M5504HMI-SD/GW and DS-M5504HMI-SD/GW/WI)
	Wi-Fi	802.11 b/g/n supported, 2.4GHz (for DS-M5504HMI-SD/GW/WI and DS-M5504HMI-SD/GLF/WI)
Positioning	GNSS	GPS
External interface	Two-way audio	1-ch, G.722
	Alarm input	3-ch high/low level signal inputs
	Alarm output	2-ch signal outputs
	Sensor in	4 high/low level signal inputs; 1 pulse signal input (reserved)
	Network interface	1; RJ45; 10M/100M self-adaptive Ethernet interface
	Antenna interface	SMA interfaces on pluggable module including one for 3G/4G, one for Wi-Fi and one for GPS.
	Serial interface	1 RS-232, 1 RS-422
	USB interface	1 USB2.0 interface on the front panel; 1 USB 5-pin aviation plug on the rear panel.
	SIM card	1, standard SIM card slot
	SD card	2, standard SD card slot
General	Operating system	Linux
	Operating method	Mouse, IR remote control and Web control
	Power supply	9 to 32 VDC
	Consumption	≤ 10 W
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
	Working humidity	10% to 90%
	Dimensions (W×D×H)	184 mm × 44 mm × 129 mm (7.2" × 1.7" × 5.1")
	Weight	≤ 1.6 kg (3.53 lb) (without hard disk or SD card)

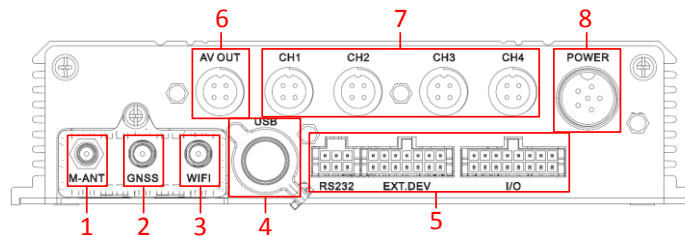
## Physical Interfaces

### Front Panel



Index	Description	Index	Description
1	SD Card Slots	5	IR Receiver
2	Power Switch	6	USB Interface
3	Power Indicator	7	LAN Network Interface
4	Record Indicator		

### Rear Panel



Index	Description	Index	Description
1	3G/4G Antenna Interface	5	RS-232 Interface EXT.DEV (including audio output, two-way audio and RS-422) I/O (including alarm in, alarm out and sensor in)
2	GPS Antenna Interface	6	Audio & Video Output
3	Wi-Fi Antenna Interface	7	Audio & Video Input
4	USB Interface	8	Power Supply

Distributed by

## Available Models

DS-M5504HMI-SD,  
DS-M5504HMI-SD/GW,  
DS-M5504HMI-SD/GW/WI,  
DS-M5504HMI-SD/GLF/WI

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