

## DS-M5504HMI-SD Series Mobile DVR



### Introduction:

Adopting embedded Linux operating system, Hikvision DS-M5504HMI-SD series dedicated Mobile DVR (Digital Video Recorder) provides powerful monitoring functionalities, including audio and video encoding & decoding, 3G & Wi-Fi wireless network transmission, satellite positioning service, 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, easy-to-carry and low power consumption, the DS-M5504HMI-SD series Mobile DVR is widely applied to the surveillance projects of public transportation, school bus, etc.

### Available Models:

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



- The 3G dialing function is only supported by the “/GW” devices.
- The Wi-Fi function is only supported by the “/WI” devices.

### Main Features:

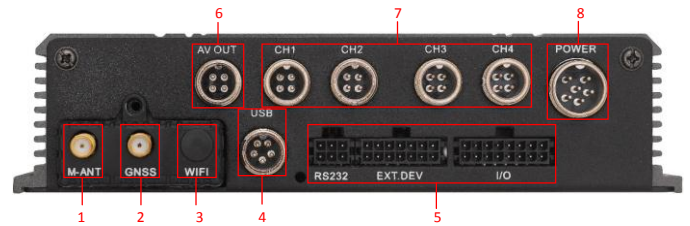
- User-friendly GUI providing easy and flexible operations.
- Pluggable 3G module and Wi-Fi module providing flexible data transmission solutions.
- 4 analog channels of audio & video inputs connectable; each channel supports up to WD1 resolution with H.264 encoding technology.
- Two SD/SDHC card with 64G capacity can be plugged for data storage.
- Information collection interfaces collecting driving information such as left/right turn, braking, backing up, etc.
- Specialized aviation connectors ensuring signal stability.
- Ignition start, delay (0~6h) shutdown and 24-hour scheduled startup/shutdown.
- Wide-range power input (+8 VDC to +36 VDC).
- Power-off protection avoiding key data from loss.
- Tensile aluminum chassis with no fan design well adaptable to working environment.
- Software-based firewall supported.
- Pluggable GNSS (Global Navigation Satellite System) module precisely positioning the vehicle via the satellite and recording the location information in the stream.

## Physical Interfaces:

### Front Panel



### Rear Panel



Index	Name	Description
1	<b>SD1 &amp; SD2</b>	Two SD card slots.
2	<b>OFF / ON</b>	Power switch.
3	<b>POWER</b>	Power indicator: light in green after device startup; light in red when device standby.
4	<b>RECORD</b>	Record indicator: light in green during recording process.
5	<b>IR</b>	IR Receiver: receive IR signal from remote control.
6	<b>USB</b>	USB interface
7	<b>LAN</b>	10M/100M self-adaptive Ethernet interface.

Index	Name	Description
1	<b>M-ANT</b>	3G antenna interface.
2	<b>GNSS</b>	GPS antenna interface.
3	<b>WIFI</b>	WIFI antenna interface.
4	<b>USB</b>	5-pin aviation plug of USB interface.
5	<b>RS232</b>	5-pin aviation plug of RS-232 interface.
	<b>EXT.DEV</b>	RS-422 communication interface for PTZ control, two-way audio, CVBS video output.
	<b>I/O</b>	7-ch high/low level signal trigger including 3-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input.
6	<b>AV OUT</b>	4-pin aviation plug for 1-ch audio & video output.
7	<b>CH1-CH4</b>	4-pin aviation plug, audio & video input of channel 1 to 4.
8	<b>POWER</b>	6-pin aviation plug for power supply and start control.



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- The Wi-Fi module is only supported by the “/WI” devices.

**Specifications:**

Model		DS-M5504HMI-SD	DS-M5504HMI-SD/GW	DS-M5504HMI-SD/GW/WI
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 - 25fps; NTSC: 1 - 30fps		
	Video bitrate	32Kbps - 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/SDHC/SDXC Card		
	Capacity	Up to 64GB for each card		
	Installation	Pluggable		
Wireless Network	3G Dialing	No support	WCDMA	
	Wi-Fi	No support		802.11 b/g/n supported, 2.4GHz
Positioning	GNSS	GPS; BDS (optional)		
External interface	Two-way audio	G.722		
	Alarm input	3-ch high/low level signal input		
	Alarm output	2-ch relay signal output		
	Network interface	1; RJ45; 10M/100M self-adaptive Ethernet interface		
	Antenna interface	SMA interfaces on pluggable module including one for 3G, one for Wi-Fi and one for GPS.		
	Serial interface	RS-232, RS-422		
	USB port	2 × USB 2.0		
	SIM card	1, standard SIM card slot		
	SD card	2, standard SD/SDHC/SDXC card slot		
General	Operating system	Linux		
	Operating method	Mouse, IR remote control and Web control		
	Power supply	Input: +8 to +36 VDC; Output: 12 VDC, 5 VDC		
	Consumption	≤ 10 W		
	Working temperature	-25 °C to +65 °C (-13 °F to 149 °F)		
	Working humidity	10% ~ 90%		
	Dimensions (W×D×H)	184mm × 44mm × 129mm (7.24" × 1.73" × 5.08")		
	Weight (without SD cards)	Approx. 1.6kg (3.53 lb)		