HIKVISION

DS-MP7504 Series Mobile DVR

Introduction:

Adopting embedded Linux operating system, Hikvision DS-MP7504 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-MP7504 series Mobile DVR is widely applied to the surveillance projects of public transportation, school bus, etc.

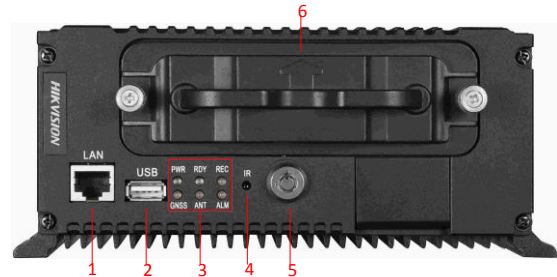## Available Models:

DS-MP7504,
DS-MP7504/GW,
DS-MP7504/GW/WI.

NOTE

- 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.
- Supports connecting high-definition TVI camera.
- 4 analog channels of audio & video inputs connectable; each channel supports up to 720p resolution with H.264 encoding technology.
- Two HDD/SSD hard disks with 1T 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 to 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.
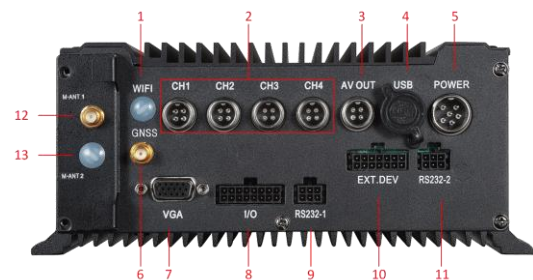
Physical Interfaces:

Front Panel

No.	Name	Description
1	LAN	10M/100M self-adaptive Ethernet interface.
2	USB	USB interface.
3	PWR	Power indicator: Light in green after device starts up; light in red when standby mode.
	RDY	Ready indicator: Lights green after device starts up properly.
	REC	Record indicator: Light in green during recording process.
	GNSS	GNSS indicator: Solid green indicates GNSS module is normal. Flashing green indicates positioning succeeded.
	ANT	ANT indicator: Solid green indicates dialing module is normal. Flashing green indicators device dialed.
	ALM	Alarm indicator: Lights red when alarm occurs.
4	IR	IR Receiver: Receive IR signal from remote control.
5	Hard Disk Lock	Lock/Unlock the hard disk box.
6	Hard Disk Box	Insert two 2.5-inch SATA HDDs/SSDs.

Rear Panel

No.	Name	Description
1	WIFI	WIFI antenna interface.
2	CH1 to CH4	4-pin aviation plug, audio & video input of channel 1 to 4.
3	AV OUT	4-pin aviation plug for 1-ch audio & video output.
4	USB	5-pin aviation plug of USB interface.
5	POWER	6-pin aviation plug for power supply and start control.
6	GNSS	GPS antenna interface.
7	VGA	VGA output
8	I/O	7-ch high / low level signal trigger including 3-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input.
9	RS232-1	RS-232 interface.
10	EXT.DEV	RS-422 communication interface for PTZ control, two-way audio, CVBS video output.
11	RS232-2	RS-232 interface.
12	M-ANT 1	3G antenna interface.
13	M-ANT 2	3G antenna interface.

Specifications:

Model		DS-MP7504	DS-MP7504/GW	DS-MP7504/GW/WI
Video/Audio input	Analog video input	4-ch; Aviation plug (1.0 Vp-p, 75 Ω)		
	Audio input	4-ch; Aviation plug (linear level, 1kΩ)		
Video/Audio output	Video Output	VGA: 1-ch; 1920 ×1080p/60Hz, 1280 ×1024/60Hz, 1280 ×720/60Hz, 1024 ×768/60Hz		
		CVBS : 1-ch aviation plug (1.0 Vp-p, 75 Ω) and 1-ch RS-422; 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: 720p/WD1/4CIF/CIF		
		Sub-Stream: CIF/QCIF		
	Frame rate	PAL: 1 to 25fps; NTSC: 1 to 30fps		
	Audio compression	G.711		
	Stream type	Video, Video & Audio		
	Dual stream	Supported		
Hard Disk	Type	2 ×2.5 inch hard disk (HDD/SSD)		
	Capacity	Up to 1T for each		
Wireless Network	3G Dialing	Not supported	1 external antenna; WCDMA module	
	Wi-Fi	Not supported		802.11 b/g/n supported, 2.4GHz
Positioning	GNSS	1 positioning antenna; GPS (Global Positioning System) and BDS (BeiDou Navigation Satellite System) are selectable		
External interface	Two-way audio	G.722		
	Sensor-in	4 high/low level signal inputs		
	Alarm input	3-ch high/low level signal input		
	Alarm output	2-ch relay signal output		
	Network interface	1 ×10M/100M self-adaptive RJ45 Ethernet interface		
	Serial interface	2 ×RS-232, 1 ×RS-422		
	USB port	1 ×standard USB 2.0 in front panel; 1 ×aviation plug USB 2.0 in in rear panel		
	SIM card	1 SIM/UIM card slots		
General	Operating system	Linux		
	Operating method	Mouse, IR remote control, and Web control		
	Power supply	Input: 8 to 36 VDC; Output: 12 VDC/1 A, 5 VDC/1 A		
	Consumption	≤ 20 W		
	Working temperature	-25 ºC to +70 ºC (-13 ºF to 158 ºF)		
	Working humidity	10% to 90%		
	Dimensions (W×D×H)	202 ×85.5 ×253 (7.95 ×3.37 ×9.96")		
	Weight (without HDDs/SSDs)	Approx. 3 kg (6.61 lb)		