DS-MP3504-SD Series Mobile DVR

Introduction

Adopting embedded Linux operating system, Hikvision DS-MP3504-SD series dedicated Mobile DVR (Digital Video Recorder) provides powerful monitoring functionalities, including audio and video encoding & decoding, 3G&4G & 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, 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/GW(64G)
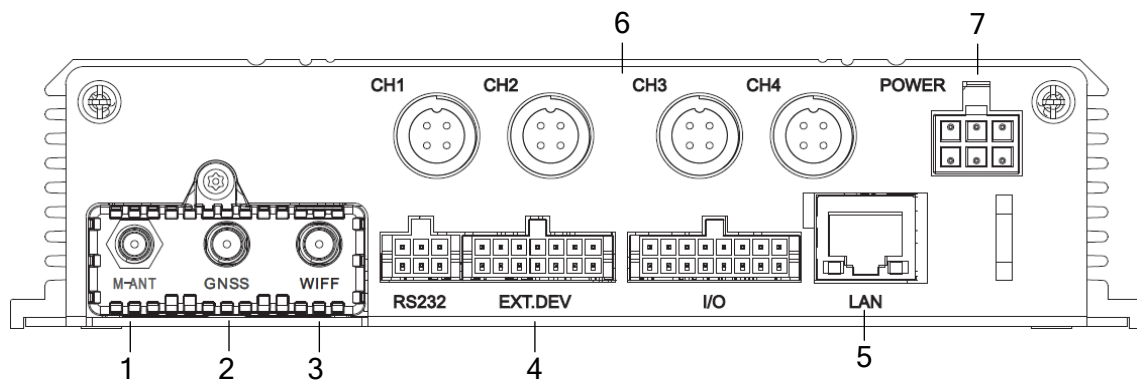DS-MP3504-SD/GLF(64G)

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 128GB capacity for each.
- Power-off protection avoiding key data from loss.
- Pluggable 4G module and Wi-Fi module providing flexible data transmission solutions.
- Built-in GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream.
- 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 (+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 video input	4-ch HD-TVI camera, aviation plug
	Audio input	1-ch, linear (1.0 Vp-p, 1K Ω)
Video & audio output	CVBS output	1-ch, resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch, linear (2.0 Vp-p, 600 Ω)
Encoding/Decoding parameters	Video compression	H.264, H.264+
	Encoding resolution	Main stream:HD720P/WD1/4CIF/2CIF/CIF
		Sub-stream: CIF/QCIF
	Frame rate	PAL: 1 to 25fps; NTSC: 1 to 30fps
	Stream type	Video, Video & Audio
	Audio compression	G.711
	Audio bitrate	16kbps
	Two-way audio	G.722
	Dual stream	Supported
Storage	SD card	2 × SD card, standard SD card slot
	Storage	Up to 128G. (64G SD card is delivered by default)
Wireless Network	3G/4G dialing	WCDMA and FDD-LTE module are supported
	Wi-Fi	Optional
Positioning	GNSS	Built in GPS module
External interface	Antenna interface	1 × 4G antenna, 1 × GPS antenna
	Network interface	1 × RJ45 10M/100M self-adaptive Ethernet interface
	Serial interface	1 × RS 232, 1 × RS 485
	USB port	Front panel: 1 ×USB 2.0
	SIM card	1× standard SIM card slot
	Sensor-in	4 × high/low level signal input, 1 × pulse signal input (reserved)
	Alarm input	3-ch high/low level signal input
	Alarm output	3-ch relay signal output
General	Power supply	9 to 32 VDC
	Operating method	Mouse, IR remote control, and Web control
	Consumption	● Standby: < 0.5 W ● Full load: < 10 W (without display, camera, and SD card)
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
	Working humidity	10% to 90%
	Dimensions (W×D×H)	184 × 124.3 × 44 mm (7.2 × 4.9 × 1.7 in)
	Weight (with no SD card)	0.87 kg (1.9 lb)

Physical Interfaces

Index	Name	Description
1	M-ANT	3G/4G antenna interface.
2	GNSS	GPS antenna interface.
3	WIFI	WIFI antenna interface.
4	RS-232	RS-232 interface.
	EXT.DEV	RS-422 communication interface for PTZ control, two-way audio, CVBS video output.
	I/O	7-ch high / low level signal trigger including 3-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input.
5	LAN	10M/100M self-adaptive Ethernet interface
6	CH1~CH4	4-pin aviation plug, audio & video input of channel 1~4.
7	POWER	6-pin aviation plug for power supply and start control.