

DS-M5504HMI Series

Introduction

Developed on the basis of the Linux operating system, DS-M5504HMI Series Mobile DVR is capable of providing powerful capabilities such as the audio/video encoding & decoding, 3G&wifi transmission, GPS, dual HDD design for data storage, hard disk vibration reduction solution, etc. The DVR provides flexible channel selection and encoding solution, especially suitable for video and audio monitoring needing of buses, coach, school buses and other vehicles.

Available model

Basic model:

DS-M5504HMI

Note:

1. A factory recommended HDD should be used for this device.
2. The suffix /xx means that the device works in different 3G networks (optional). Please add the suffix to your order model in demand. Refer to the following table for the explanation for the different suffix:

Wireless Module Suffix	3G(WCDMA)	3G(EVDO)	WIFI
/GW	✓		
/GE		✓	
/GW/WI	✓		✓
/GE/WI		✓	✓

Physical interfaces



Main features

- For each channel of DS-M5504HMI, support WD1 encoding, and adopt H.264.
- Dedicated GUI interface and easily operate.
- Support accessing one 2.5-inch HDD/SSD and 1 SD/SDHC card; adopt pluggable way and patented air bags for vibration reduction technology.
- Support power-off protection. Super capacitor can be enabled for sudden power off to realize normal shutdown, which will avoid video loss effectively.
- With fan installed in hard disk box, temperature control can be realized intelligently.
- With pluggable 3G and wifi model, it provides flexible wireless transmission.
- Built-in high sensitivity GPS model, positioning information will be recorded with video stream.
- Private aviation connector is adopted to ensure stable signal.
- Delay (0min~6h) shutdown and 24-hour scheduled startup/shutdown.
- Die-cast aluminum chassis. Fan less design.
- Wide-range power input (DC +8 ~ +36V).

Specifications

Available Model		DS-M5504HMI
Video/Audio input	Analog video input	4 channels Aviation connector (voltage:1.0Vp-p, impedance)
	Audio input	4 channels Aviation connector(linear voltage, impedance:1kΩ)
Video/Audio output	Video output	1 channel CVBS(aviation connector,4CIF, voltage:1.0Vp-p, impedance:75Ω); 1 channel VGA output, resolution is configurable.
	Audio output	1 channel, aviation connector(linear voltage, impedance: 600Ω)
Video/Audio encoding parameters	Video compression standard	H.264
	Video encoding resolution	WD1/CIF
	Video frame	PAL: 1-25 frame/s, NTSC: 1-30 frame/s
	Video bit rate	32k-2M, self-define is permitted(upper limit:4M, unit: bps)
	Stream type	Video stream or Video&Audio stream
	Audio compression standard	G.722
	Audio bit rate	16kbps
	Voice intercom	G.722
HDD	HDD Storage	Support one 2.5-inch HDD/SSD with SATA
	HDD Accessing	Pluggable
	HDD Protection	New generation HDD vibration reduction technology.
	Data backup	Pluggable hard disks box, USB
Wireless transmission	3G	Extendable EVDO, WCDMA model(optional)
	Wifi	Built-in wifi model, support 802.11 b/g/n, frequency: 2.4GHz
GPS	GPS positioning	Built-in high sensitivity GPS/Beidou positioning chip
Alarm	Alarm function	input: 7 channels high/low voltage signal, 1 channel pulse collection, 3mm connector; output:2 channels high/low voltage output
Function interface	LAN port	1 RJ45 interface, the front one is Million Ethernet interface
	Antenna interface	One 3G antenna, one wifi antenna, one GPS antenna; They are all SMA interfaces.
	USB interface	1 front-positioned USB 2.0 interface
	Serial data interface	1 RS232 interface, 1 RS485 interface, 3mm connector
	SIM/UIM card	1, standard SIM/UIM card slot
	SD/SDHC	1, standard SD/SDHC card slot
Others	OS	Embedded Linux operating system
	Power	Input: DC+8~+36V; Output: DC+12V/2A, +5V/2A
	Operating way	IR remote control
	Working temprature	-10℃ - +55℃
	Working humidity	10%-95%
	Dimension	1DIN