



DS-M5504HMI

Mobile DVR

Technical Specification

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Overview

Developed on the basis of the Linux operating system, the DS-M5504HMI Mobile DVR is capable of providing powerful capabilities such as the audio/video encoding & decoding, 3G, positioning, data storage, hard disk vibration reduction solution, etc.

The product can be widely applied to buses, passenger vehicles, etc.



Models

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 on demand. Refer to the following table for the explanation for the different suffix:

Wireless Module Suffix	3G(WCDMA)	WIFI(reserved)
/GW	√	

Main Features

- **Each channel of DS-M5504HMI Mobile DVR supports WD1 (960x576) real-time encoding.**
- **Standard H.264 video compression.**
- **Allow connection with one pluggable 2.5-inch SATA disks and one SD/SDHC card.**
- **Power-off protection of data with the built-in redundant power supply.**
- **Patented hard disk vibration reduction technology.**
- **Built-in 3G (WCDMA) module.**
- **Built-in high-sensitivity satellite positioning module.**
- **Interfaces are provided for connecting with external devices.**
- **Delay (0min~6h) shutdown and 24-hour scheduled startup/shutdown configurable.**
- **Wide-range power input (+6 VDC ~+36 VDC).**
- **Aluminum chassis.**

Specifications

Model	DS-M5504HMI	
Video/ Audio input	Analog Video Input	4-ch
		BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive
	Audio Input	2-ch
		Aviation plug (linear electrical level, 1 KΩ)
Video/Audio output	Video Output	1-ch CVBS video output, aviation plug (1.0 Vp-p , 75 Ω) Resolution: PAL: 704 × 576, NTSC: 704 × 480
		1-ch VGA video output, resolution configurable: 1920×1080, 1600×1200, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600, 640×480
	Audio Output	1-ch, BNC (linear electrical level, 600 Ω)
Video/Audio Compression	Video Compression	H.264
	Encoding resolution	WD1 / CIF
	Video Frame Rate	PAL: 1 ~ 25 fps, NTSC: 1 ~ 30 fps
	Video Bit Rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 4 Mbps)
	Stream Type	Video, Video & Audio
	Audio Compression	G.722
	Audio Bit Rate	16 Kbps
HDD Disk	HDD Type	1, 2.5-inch SATA interfaces for Pluggable HDD/SSD disks
	HDD Patent	Patented hard disk vibration reduction technology
	Data Backup	Backup by pluggable HDD/USB devices
Wireless Transmission	3G	Built-in WCDMA module (optional), GSM850/900 MHz, GSM1800/1900 MHz, WCDMA850/900/1900/2100 MHz

	WIFI	Built-in WIFI module, 802.11 b/g/n, 2.4 GHz (reserved)
Positioning	Positioning	Built-in high-sensitivity satellite positioning module
External Interfaces	Alarm In	7-ch high/low-level signal input, 1-ch pulse gather
	Alarm Out	2-ch relay output, 5V
	LAN	1 RJ-45 network interface
	Antenna interface	SMA interfaces for 1 3G antennas, 1 WIFI antennas and 1 GPS antenna
	USB/eSATA Interface	1 USB 2.0 interface
	Serial Interface	1 RS-232; 1 RS-485
	SIM	1 standard SIM slot
	SD/SDHC	1 standard SD/SDHC slot
Others	Operating System	Embedded Linux Operating System
	Power Supply	Input: +6 ~ +36 VDC; Output: +12 VDC / 2A, +5 VDC / 2A
	Operating Mode	IR Remote Control
	Power Consumption	≤ 10W
	Working Temperature	-15 °C ~ +55 °C (5 °F ~ 131 °F)
	Working Humidity	10% ~ 95%
	Size (W×D×H)	1 DIN (180 × 153× 50 mm)
	Weight	≤ 2.5 kg