



FTMD-H5-5CH • MDVR Technical Datasheet



FTMD-H5-5CH

MDVR - Highly Integrated Design



GPS Tracking



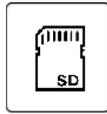
Geo Fencing



Playback Trips



Wi-Fi



SD Card



Live Tracking



Product Summary

The FTMD-H5-5CH v2.0 is a cost-effective and scalable vehicle-mounted intelligent terminal that integrates mobile video surveillance and driving information recording. It supports video recording in 1080p, 720p, WD1, WHD1, WCIF, D1, HD1, and CIF formats, and adopts a high-speed processor and an embedded operating system. Combined with the video compression/decompression technology, network technology, positioning technology, and contact IC card technology, it allows video recording, vehicle driving information recording, and wireless data uploading, and can be used with the centre software for central surveillance, remote management, and driving status data analysis.

Key Features:

- Embedded Linux operating system
- H.265/H.264 encoding and decoding to improve the memory space utilization
- AI extension
- Good anti-vibration performance, simple design, and flexible & easy installation, and high reliability comprehensive functions

Technical Specification

Model

FTMD-H5-5CH

Video

Input	4-channel AHD + 1-channel IPC
Output	1-channel CVBS Output

Audio

Input	4-channel AHD + 1-channel IPC
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Speaker

Built-in	Supported. Maximum volume: 85 dB @ 10 cm
External	Active speaker supported

Recording

Video Compression Format	H.264/H.265
Audio/Video Compression Format	ADPCM/G711A/G711U/G726
Total Resource	PAL:4 × 720P@25fps(AHD)+1 × 1080P@30fps(IPC) or 4 × 1080p @ 11 FPS (AHD) + 1 × 1080p @ 30 FPS (IPC) NTSC :4 × 720P@30fps(AHD)+1 × 1080P@30fps(IPC) or 4 × 1080p @ 11 FPS (AHD) + 1 × 1080p @ 30 FPS (IPC)
Image Quality	Levels 1-8 adjustable (preferably Level 1)

Playback

Playback Channel	1-channel local playback
Search Mode	By date/time, channel, or event

Network

3G/4G	Supported via FAKRA connectors
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Positioning

GPS	GPS single-mode positioning
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Sensor

G-Sensor	Built-in 3-axis inertial sensor
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Storage

SD	1 × SD card slot
Hard Disk	1 × 2.5" hard disk

Port

USB	1 × USB2.0 SIM
DB9	1-channel
RS485	1 × RS485 port
RS232	1 × RS232 port
External MIC	1× large 5559-4P connector
External Speaker	4 × small 5559-4P connectors
IO	8-channel input and 2-channel output
Analog Input	2-channel
Speed	1-channel pulse speed detection

Power Consumption

Input	DC 9-36 V
Output	500mA@5V, 200mA@12V
Sleep Power Consumption	< 3 W
Standby Power Consumption time	2 mA@24 V
Operating Power Consumption	< 8 W (no load); < 18 W (full load)

Physical Characteristics

Device Dimensions	Panel: 187.5 mm (L) × 59.5 mm (W); MDVR: 178 mm × 50 mm × 170 mm
Operating Temperature	-30°C to +70°C

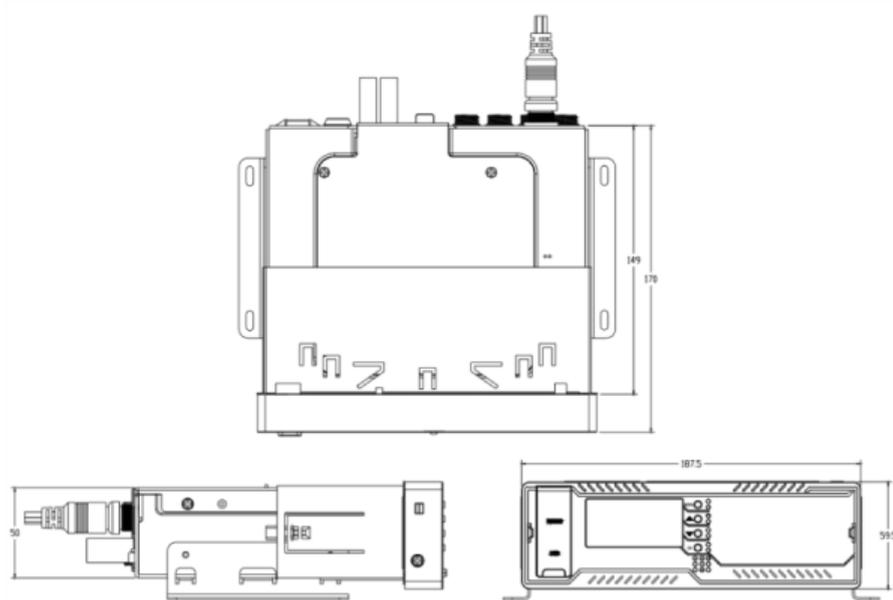
Environment

Storage Temperature	-40°C to +85°C
Operating Humidity	15% - 95%RH

Storage Humidity

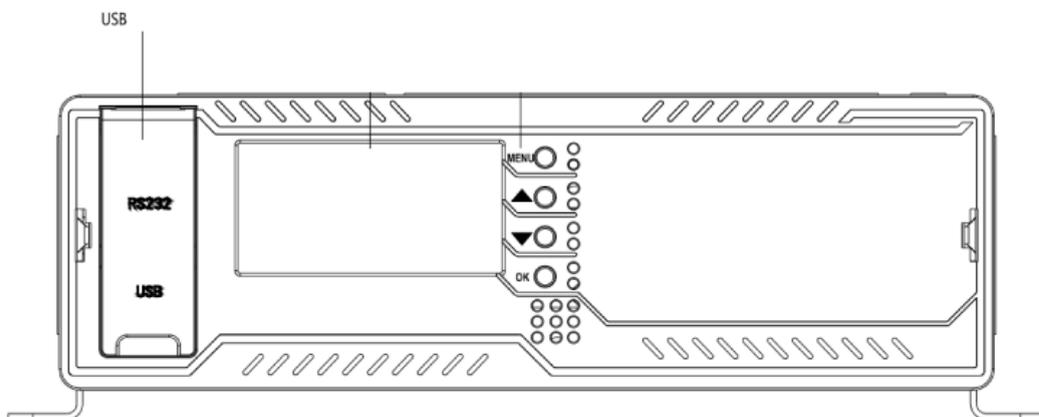
15% - 95%RH

Dimensions

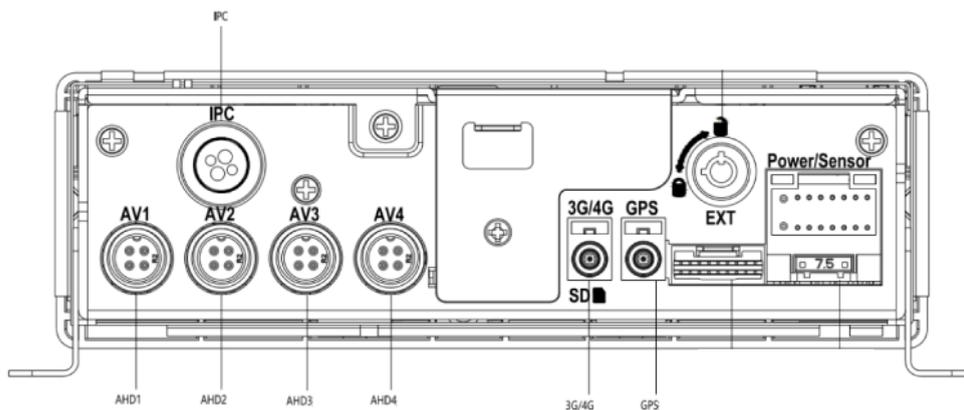


Panel Ports Definitions

Front panel ports

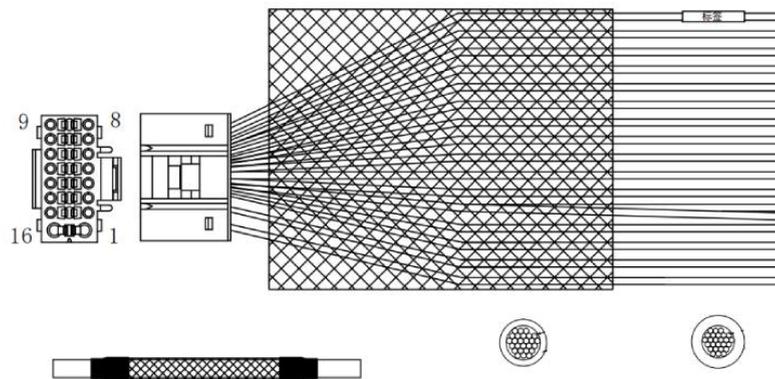


Rear panel port



Wire Port Definitions

Power and alarm signal input cable



Serial cable

