FTMD-HTN-5CH • MDVR
Technical Datasheet

FTMD-HTN-5CH
MDVR - Highly Integrated Design

GPS Tracking

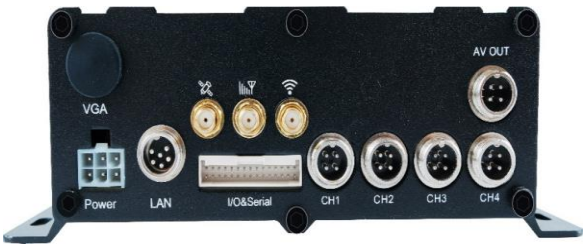
Geo Fencing

Playback Trips

Wi-Fi

SD Card

Live Tracking



Product Summary

Fleetly FTMD-HTN-5CH is a basic 4-channel HDD MDVR. The device features 1x 2.5" HDD or SSD (up to 2TB), 4x CIF / HD1 / D1 / 960H / 720P AHD cameras in recording and playback mode simultaneously, 1-4 video channels, 4 channel RCA audio input, 8 alarm inputs, Wi-Fi / GPS / 4G LTE, 1 x RS232, 1 x RS485, and more.

Key Features:

- Supports 4 Ch AHD 1080P cameras and 1ch IPC up to 1080P
- Industry leading CPU with powerful processing ability
- Supports HDD/SSD for recording. Max. 2TB
- Dual streams for local recording and wireless transmission
- Support 3G/4G, WIFI, GPS modules
- Support built-in G-sensor for harsh acceleration detection
- Support 1x USB2.0. front panel USB, for upgrading, and exporting video
- Support 8-36V wide range power input, adapt to harsh environment
- Data self-protection, save data when shut down abnormally

Technical Specification

Model

	FTMD-HTN-5CH

System

Operating Language	Chinese/English
Operating Interface	Graphical menu interface (OSD menu)
Password Security	Two level managements: user password/admin password

Video

Video Input	A: support 4ch CIF/HD1/D1/960H/720P/1080P AHD camera record and playback simultaneously
Video Output	4PIN Aviation Interface video output
Video Display	Support 1-5ch
Video Standard	PAL/NTSC
Image Compression	H.264/H.265 Main profile , PAL：1080P(15FPS),720P(25FPS) NTSC：1080P(15FPS),720P(30FPS)
Image Format	CIF/HD1/D1/960H/720P optional
Video standard	ISO14496-10
Video Bitrates	CIF: 1536Kbps ~ 128Kbps HD1/D1: 2048Kbps ~ 400Kbps 960H: 2048Kbps ~ 400Kbps 720P: 4096Kbps ~ 400Kbps 1080P: 8096Kbps ~ 400Kbps 8 levels image quality optional, 1 is the highest, 8 is the lowest
Audio Bitrates	40Kbps
Video input impedance	Each video input impedance: 75Ω
Video output voltage	2VP-P CVBS outputs an analogy signal, a display device input need 75Ω impedance to adapt to it.

Audio

Audio input	4ch RCA

Audio Output	1ch RCA (front 30PIN connector)
Record mode	audio and video are recording simultaneously

Storage

Main storage	Support 1x 2.5-inch HDD or SSD; Max. 2TB
Backup storage	Support 1x SD card, max. 256GB
Upgrade	U disk upgrade; SD card upgrade; FTP remote batch upgrade
File system	Howe Special File System to secure data.

Alarm

Alarm input	8 alarm inputs, can be set up low-level alarm less than 1V/ high-level alarm up to 5V
Alarm output	2CH alarm output, output 12V high-level

Communication Interface

Analog input	2
RS485 port	Support 1*RS485 port
RS232 port	Support 2*RS232 port
Ethernet port	Support 6 pin aviation head supports local Network
USB port	1x USB2.0. Front panel USB

Wireless

3G	Support built-in 3 G communication modules (HSUPA/HSDPA/WCDMA/EVDO/TD-SCDMA) optional
4G	Support Built-in 4G communication module (FDD-LTE/TDD-LTE) optional
Wi-Fi	Support built-in WIFI communication module（2.4/5.8GHz optional）

GPS

Support built-in GPS module, can write into encode stream with Geographical

		coordinates speed, etc.
G-sensor		
		Three-axis gyroscope + three-axis accelerometer G-sensor
Software		
	PC port playback Analysis	Playback video file in the PC port, and analyse the vehicle information in the file simultaneously
	VSS management Software	Carry our many functions by wireless network, such as video previewing, GPS Uploading, Alarm Uploading and Parameter Configuration
Upgrade		
		Local machine support SD card port and VSS platform updating
Power Input		
	+8～+36V	8V ~ 36V, before use to ensure car battery Supply voltage; Long-term over 36V, the machine will burn.
Power Output		
	12V	12V (+/- 0.2V), the maximum electric Current: 2A
ACC detection		
	≤4V	take off
	≥5V	take on
I/O Interface		
	Under 1V	Low alarm
	Above 5V	High level alarm
Operating temperature		
	-20℃～**70**℃	In a well-ventilated environment
	HDD heater	Support
Machine size		

220*188*55mm