



FTMD-X3N-8CH • MDVR **Technical Datasheet**



TMD-X3N-8CH **MDVR - Highly Integrated Design**







Geo Fencing



Playback Trips



Wi-Fi



SD Card



Live Tracking







Product Summary

FTMD-X3N-8CH is a cost-effective device specially developed for mobile video surveillance and remote video monitoring, featuring high functional scalability. It is equipped with a high-speed processor and an embedded operating system, integrating state of the art H.265 video compression/decompression technologies, 3G/4G Network technologies, GPS/BDS positioning technologies, and Wi Fi technology in the IT industry.

Key Features:

- Embedded Linux operating system
- > Al function extension
- ➤ H.265/H.264 encoding and decoding to improve the memory space utilization
- > 2.5-inch hard disk storage, hard disk heating & hard disk power off protection technologies
- Connection with storage units such as a fireproof box for disaster recovery backup
- ➤ HD VGA output

Technical Specification

Model

+91 888 666 0 661

FTMD-X3N-8CH











Function Overvie	₽W	
		Preview, video recording, playback, network Transmission , and positioning
System		
	Operating System	Linux 4.9
	Control Mode	CP4, mouse, Easy Check, and network (3G/4G/Wi-Fi)
Video		
	Input	4-channel AHD (1080p) + 4-channel IPC (1080p)
	Output	1-channel CVBS + 1 channel VGA AHD: 4 × 720p @ 25 FPS (PAL) or 4 × 1080p @ 12 FPS (PAL) or
	Total Resource	4 × 720p @ 30 FPS (NTSC) or 4 × 1080p @ 12 FPS (NTSC) IPC: 1 × 1080p @ 30 FPS
	Video Signal Standard	Level: 1 Vpp; impedance: 75 ohms NTSC/PAL (optional)
Audio		
	Input	4-channel AHD + 4-channel IPC
	Output	1-channel
Display	Audio Signal Standard	Level: 2 Vpp; input impedance: 4.7 kilohm
	Display Split	1/4/9-screen display
	Screen Display	Positioning information, alarms, license plate numbers, driving speed, time, etc.
	Operating Interface	GUI
Recording		
	Audio/Video	Video H.264/H.265
	Compression Format	Audio ADPCM, G.711U, G.711A
	Storage Temperature	-40°C +70°C AHD:

PAL:

1080p (1920 × 1080), 720p (1280 × 720), WD1 (928 × 576), WHD1 (928 × 288), WCIF (464 × 288), D1 (704 × 576), HD1 (704 × 288), CIF (352 × 288);

Image Resolution NTSC:

> $1080p (1920 \times 1080), 720p (1280 \times 720),$ WD1 (928 × 480), WHD1 (928 × 240), WCIF (464 × 240), D1 (704 × 480), HD1 (704 × 240), CIF (352 × 240);

IPC:

 $1080p (1920 \times 1080), 720p (1280 \times 720);$

Image Quality Levels 1-8 adjustable (preferably Level 1)

Recording Mode Start-up/Manual/Scheduled/Alarm event

Recording

Alarm Prerecording 0-60 min

Alarm Recording Delay 0-30 min

Playback

Playback Channel 1-channel local playback

Search Mode By date/time, channel, or event

Network

3G/4G EVDO/TD-SCDMA/WCDMA/TDD-

LTE/FDD- LTE (optional)

WIFI W217 module. Supported protocol:

802.11a/b/g/n/ac Supported frequency

band: 2.4/5.0 GHz

Ethernet $4 \times IPC$ 6-pin aviation plug (100 Mbit/s,

PON powered) + $1 \times RJ45$ (100 Mbit/s)

Positioning

GPS/BD Positioning, speed detection, and time

synchronization

Sensor

G-Sensor Built-in 6-axis inertial sensor

Storage



HDD/SSD 1×2.5 " SATA HDD or SSD, 7 mm/9.5

mm/15 mm thick, supporting hard disk

heating

SD Hot-swapping 32/64/128/256 GB SDXC

Port

USB $1 \times USB2.0$ (Type A) + $1 \times USB2.0$ (Type B)

SD 1 × SD card slot

1 × SIM card slot SIM

Serial Port $2 \times RS232,2 \times RS485(1 \times R WATCH)$

CAN $1 \times CAN$

10 8-channel input and 2-channel output

Pulse Speed Detection 1-channel

Control Panel CP4\CP5

Intercom 1 × MIC port (CP4)

Power Supply

Input DC 8-36 V

5 V @500 mA & 12V @500 mA Output

Maximum Typical Power

Consumption 50 W

Standby Power

Consumption time $\approx 0 \text{ W}$

Physical Characteristics

Dimensions (mm) $281 \times 167 \times 92.8$

(With the bracket and rear shield)

Weight (kg) 2.4 (with hard disks)

Environment

Operating Temperature -40°C to +70°C

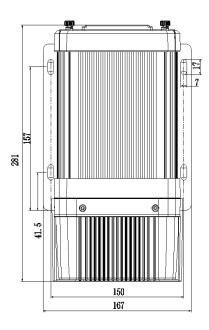
(Heated, without hard disks)

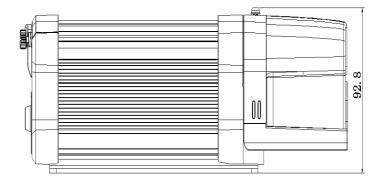
Operating Humidity 8% to 95% (non-condensing)

ΑI

Dimensions

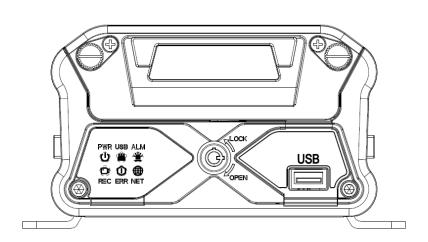
(Unit: mm)



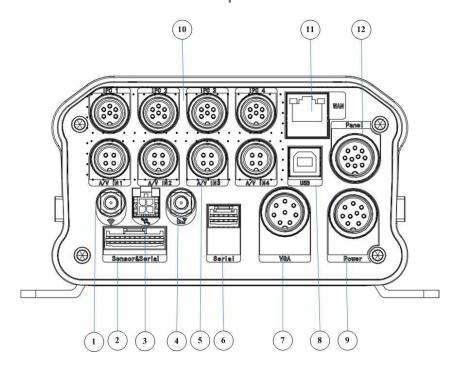


Panel Ports

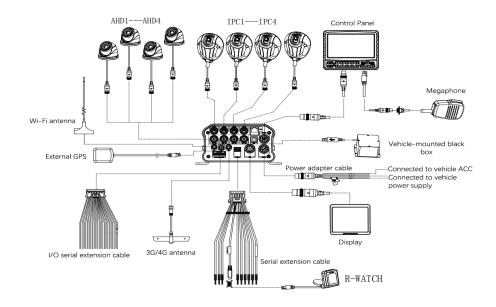
Front panel



Rear panel

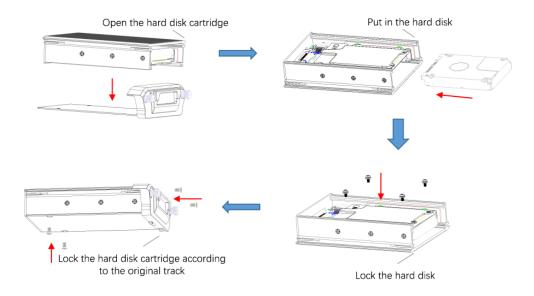


S\N	Silk Screen	Description
1		Wi-Fi antenna connector
2	Sensor & Serial	IO port & serial port
3	32	GPS/BDS antenna connector
4	<u>lu.</u> Y	3G/4G antenna connector
5	A/V IN 1~4	Analog audio/video input ports 1 to 4
6	Serial	Serial port
7	VGA	VGA port
8	USB	USB 2.0 port (Type B)
9	Power	8-36 V DC power input
10	IPC1-4	IPC audio/video input ports 1 to 4
11	WAN	100 Mbit/s network port
12	Panel	CP4 port



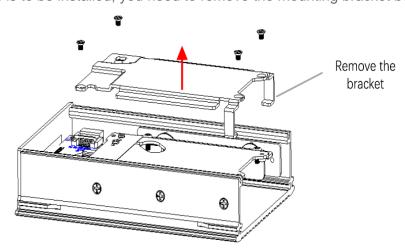
Hard Disk Installation

Installation of Hard Disks with 9.5 mm/7.0 mm Thickness



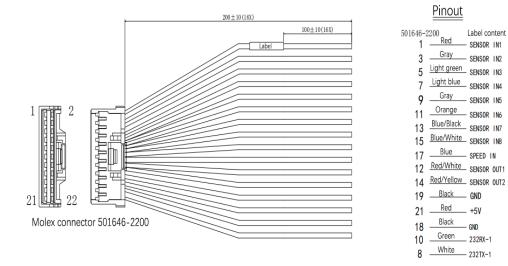
Installation of Hard Disks with 15 mm Thickness

If it is originally compatible with hard disks with 9.5 mm/7.0 mm thickness, and a hard disk with 15 mm thickness is to be installed, you need to remove the mounting bracket before installing.



External Cable Connector Pinouts

Alarm and serial cable connector pinout



Serial cable connector pinout

