



# FTMD-X1N-5CH









**Geo Fencing** 



**Playback Trips** 







SD Card



Live Tracking





# **Product Summary**

FTMD-X1N-5CH 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
- ➤ Good anti-vibration performance, simple design, and flexible & easy installation
- Comprehensive functions and high reliability

### **Technical Specification**

Model

FTMD-X1N-5CH





**Function Overview** 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) + 1-channel IPC (1080p) Output 1-channel CVBS AHD: 4 × 720p @ 25 FPS (PAL) or 4 × 1080p @ 10 FPS (PAL) **Total Resource**  $4 \times 720$ p @ 30 FPS (NTSC) or 4 × 1080p @ 12 FPS (NTSC) IPC: 1 × 1080p @ 30 FPS **Audio** Input 4-channel AHD + 1-channel IPC Output 1-channel CP4 **Audio Signal Standard** Level: 2 Vpp; input impedance: 4.7 kilohm **Display 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 AHD: PAL:  $1080p (1920 \times 1080), 720p (1280 \times 720),$ 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  $\times$  240), CIF (352  $\times$  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

0-60 min **Alarm Prerecording** 

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

**IPC Ethernet** 1 × 6-pin aviation plug

(100 Mbit/s, PON powered)

**Positioning** 

GPS/BD Positioning, speed detection, and time

synchronization

Sensor

Built-in 6-axis inertial sensor **G-Sensor** 

Storage

HDD/SSD  $1 \times 2.5$ " SATA HDD or SSD, 7 mm/9.5

mm/15 mm thick, supporting hard disk

heating

**Port** 

SIM 1 × SIM card slot

USB 1 × USB2.0 SIM

**Serial Port** 1 × RS232. 1 × RS485(R WATCH)

10 8-channel input and 2-channel output

1-channel pulse speed detection Speed

**Control Panel** CP4 (accessories optional)

Intercom 1 × MIC port

CAN Not supported

**Power Supply** 

Input DC 8-36 V 5 V @ 500 mA Output

**Maximum Typical Power** 

Consumption 35 W

**Standby Power** 

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

**Physical Characteristics** 

Dimensions (mm)  $206.0 \times 190.0 \times 70.5$ 

Weight (with hard disks)

1.2 (kg)

**Environment** 

-40°C to +70°C **Operating Temperature** 

(Heated, without hard disks)

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

ΑI

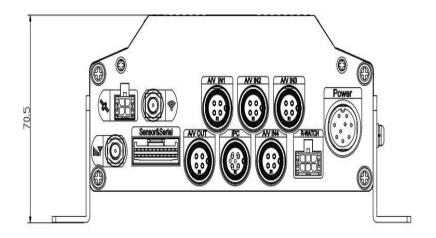
**MDVR AI** Fleetly AHD camera CA29M (DSM) and

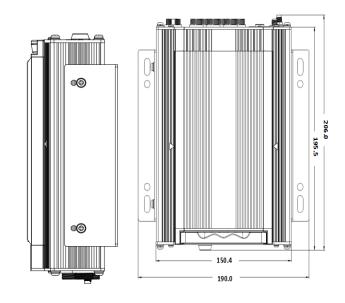
CA20S3.0 (ADAS)

+91 888 666 0 661 💥 +44 121 582 4700 📕 +1 (916)306-1113 🜐 www.fleetly.tech

### **Dimensions**

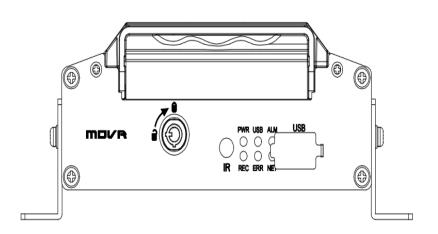
(Unit: mm)



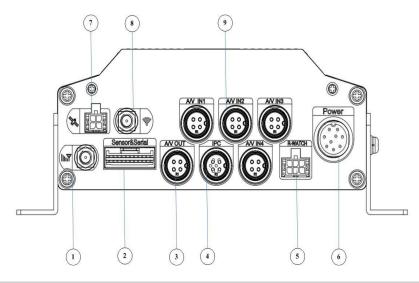


#### Panel Ports

Front panel



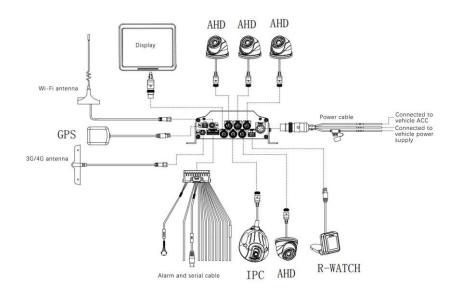
### Rear panel



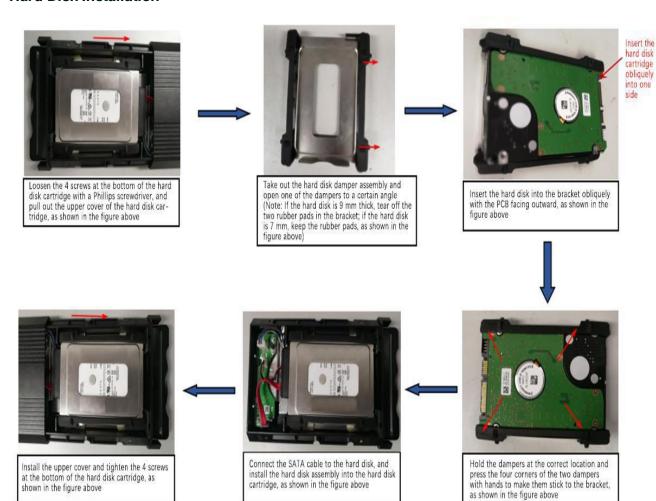
S\N	Silk Screen	Description
1	<u>                                     </u>	3G/4G antenna connector
2	Sensor & Serial	Serial port and IO port
3	A/V OUT	Analog audio/video output port
4	IPC	PON-powered IPC port
5	R-WATCH	R-WATCH port
6	Power	36 V DC power input
7	***	GPS/BDS antenna connector
8	8	Wi-Fi antenna connector
9	A/V IN 1~4	Analog audio/video input ports 1 to 4

#### Installation

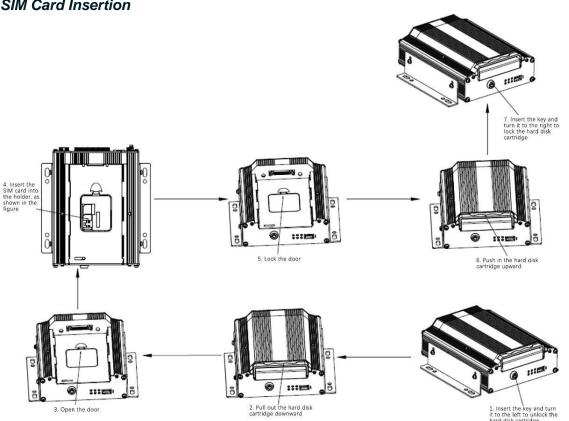
### **Typical Wiring Diagram**



#### Hard Disk Installation

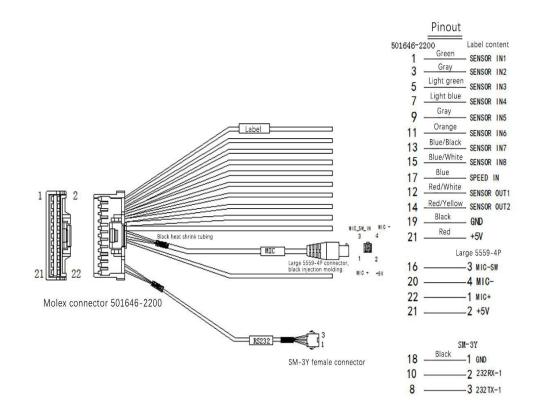


#### SIM Card Insertion



#### **External Cable Connector Pinouts**

Alarm cable connector pinout









A/V OUT cable