

## FS-MIN-2.0



## 6-channel mobile digital video recorder

The FS-MIN-2.0 is a compact and versatile 6-channel MDVR designed to optimize fleet management and enhance driver safety in commercial vehicles. It features advanced AI-driven safety features, reliable connectivity, and extensive storage capacity.



### KEY FEATURES



#### High definition recording

Records high quality video before, during and after an incident up to 4k.



#### Supports M.2 SSD storage upto 2TB and x 2 Micro SD cards

Ensures simultaneous storage of both main and sub-stream videos.



#### Support for up to 6-channel video recording

x 4 AHD and x 2 IPC channels providing real-time video.



#### Built-in Wi-Fi and 4G communication module

Seamlessly integrates with fleet management systems.



#### AHD video output

Recording for superior clarity.



#### Data Capture

Up to 8 trigger wires and x2 CAN bus to capture data from multiple 3rd-party systems.

**SPECIFICATIONS TABLE**

**General:**

Feature	Specification
Dimensions	6.06" x 5.94" x 2.05" (154 mm x 151 mm x 52 mm)
Weight	3.75 lbs (1.7 kg)
Operating System	Linux
Memory	1GB RAM, 8GB ROM
Power Input	DC 9~36 V
Power Consumption	<10 W (bare unit), typical <40 W

**Video and Audio Recording:**

Feature	Specification
Input	4 AHD channels + 2 IPC channels
Resolution	Maximum resolution support: 1080p
Output	1 AHD channel
Encoding	Full HD real-time full frame encoding: - PAL: 4x1080P@25fps (AHD) + 2x1080P@30fps (IPC) - NTSC: 4x1080P@30fps (AHD) + 2x1080P@30fps (IPC)
Audio	Input: 4 AHD channels + 2 IPC channels. Output: 1 channel

**Network:**

Feature	Specification
3G/4G	TDD-LTE / FDD-LTE / EVDO / TD-SCDMA / WCDMA. Extended support for main and diversity antennas.
Wi-Fi	Wi-Fi 5 support (optional), compliant with 802.11b / g / n / ac
GNSS	GPS / BDS / GALILEO / GLONASS

**Storage:**

Feature	Specification
Micro SD	x 2 slots, up to 512GB each
SSD	x 1 M.2 SATA SSD, up to 2TB (supports heating feature)

**Sensors:**

Feature	Specification
Accelerometer	Built-in 6-axis accelerometer

**Connections:**

Feature	Specification
USB	Front Type-A USB 2.0
SIM Card	x 1 physical SIM card slot; optional support for digital eSIM.
I/O	8 inputs, 2 outputs
Serial Ports	x 2 RS232, x 1 RS485
CAN	2 CAN_FD interfaces

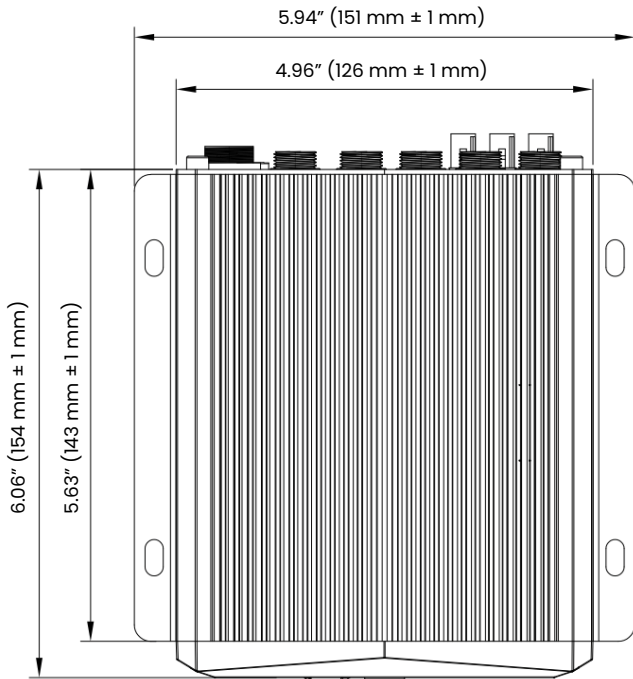
**Environmental:**

Feature	Specification
Operating Temperature	-22°F to 158°F (-30°C to 70°C).
Storage Temperature	-40°F to 158°F (-40°C to 70°C).

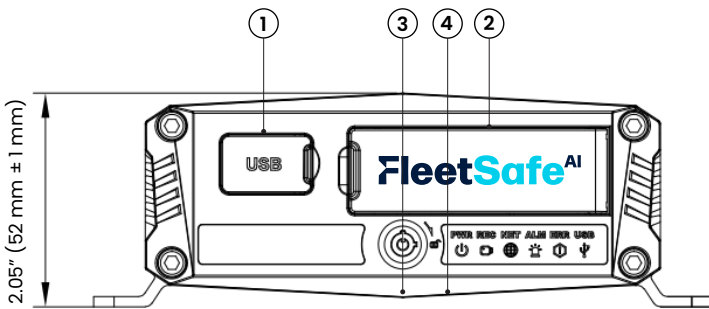
**Additional Features:**

<b>Feature</b>	<b>Specification</b>
<b>IR</b>	Supported
<b>AI</b>	Supports built-in 2 channels (ADAS, DMS, BSD)
<b>Speed</b>	Supported
<b>Driver Inf. Interface</b>	Supports 1-channel driver information identification interface; can be docked with a button

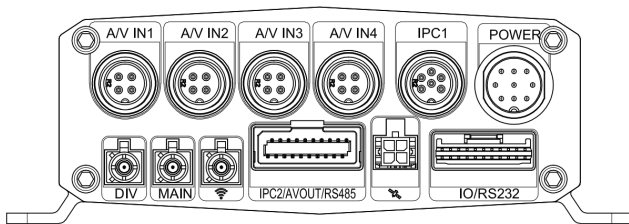
**▶ PRODUCT DIMENSIONS**



**Top view**



**Front view**



**Rear view**

**Front Panel Interface**

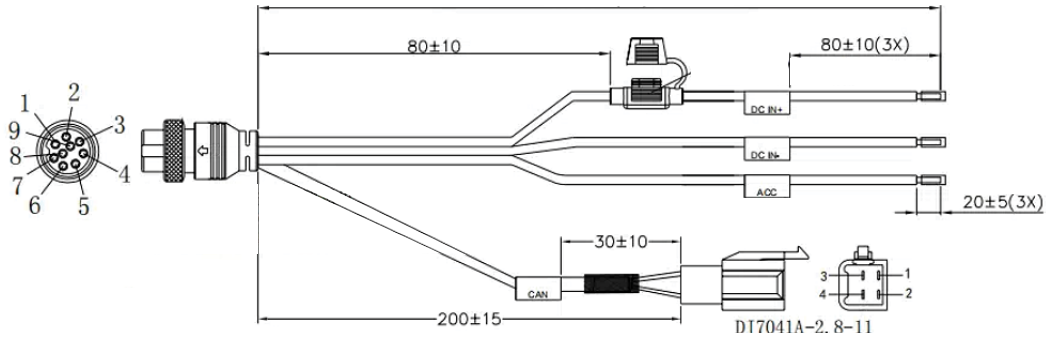
- ① USB2.0 interface
- ② Storage interface: 2\*Micro SD+1\*M.2 SATA SSD  
Communication interface: 1\*SIM card slot
- ③ Hard disk lock
- ④ LED status indicator

**Rear Panel Interface**

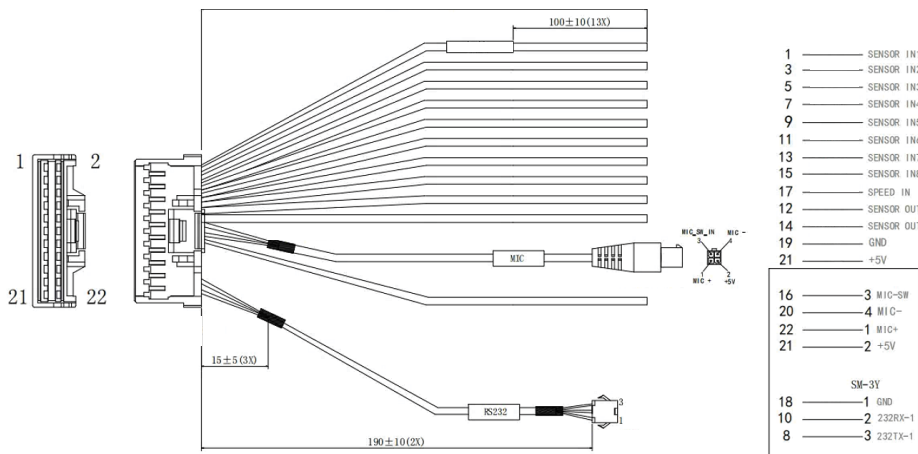
- POWER: Power Input Connector (Contains 1\*CAN1)
- IPC: IPC1
- A/V IN1-4: AHD1~AHD4
- IO/RS232: External IO/RS232 Interface
- IPC2 / AVOUT RS485: External IPC2/HD Video Output, RS485 Interface
- MAIN: 4G/3G Main Antenna
- DIV: 4G/3G Diversity Antenna (Optional)
- GNSS Positioning Interface
- Wi-Fi Communication Interface

▶ CABLE SETUP

Power Interface Cable (Standard)



IO/RS232 Interface Cable (Required)



IPC2/AVOUT/RS485 Interface Cable (Required)

