FleetFusion AI

Enhancing Road Safety with
Advanced Video Telematics

FS-M1N-2.0



6-channel mobile digital video recorder

The FS-M1N-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.

CE UK CA

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.

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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: 4×1080P@25fps (AHD) + 2×1080P@30fps (IPC) - NTSC: 4×1080P@30fps (AHD) + 2×1080P@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

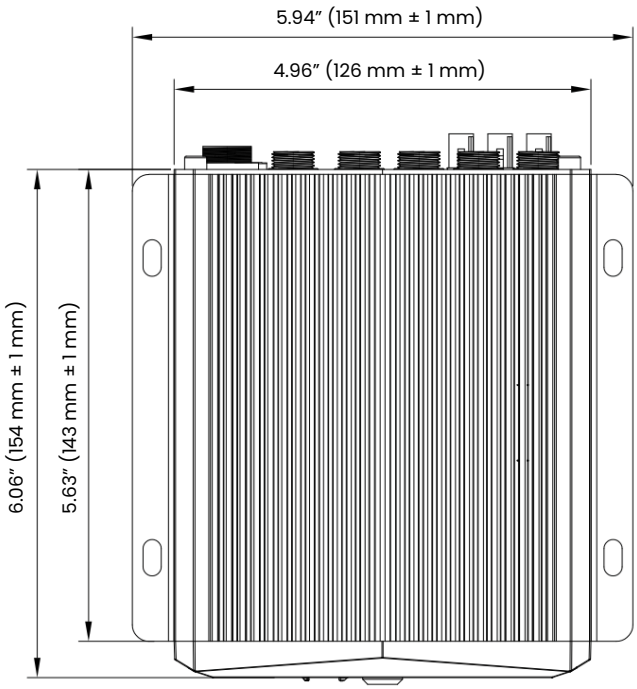
Environmental:

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).

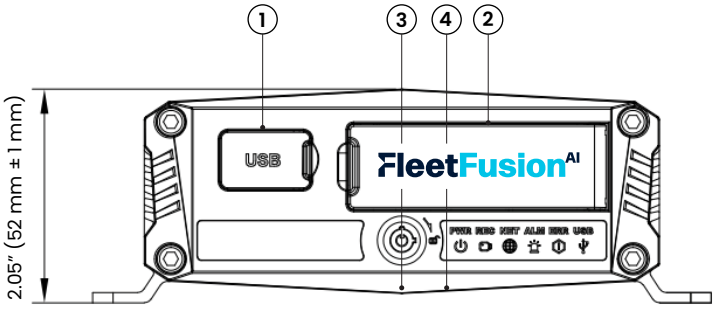
Additional Features:

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

PRODUCT DIMENSIONS



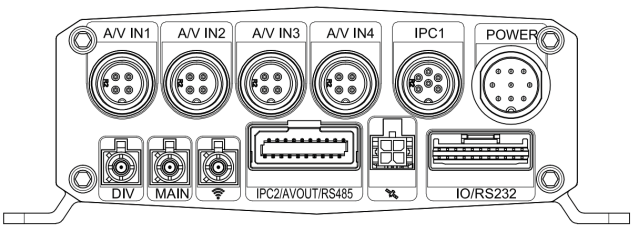
Top view



Front 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



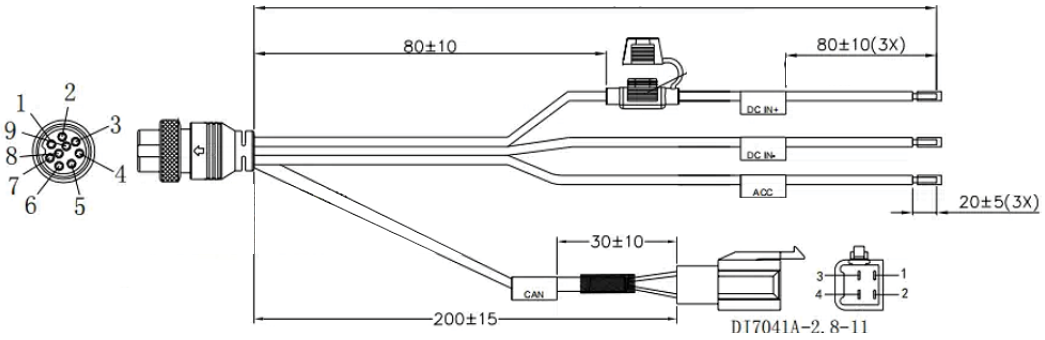
Rear view

Rear Panel Interface

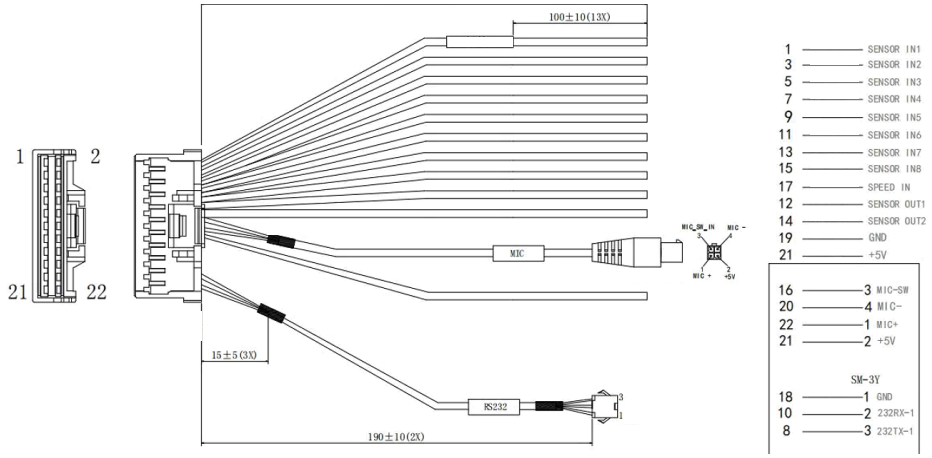
POWER:	Power Input Connector (Contains 1*CAN1)
IPC:	IPC1
A/V IN1-4:	AHD1~AHD4
IO/RS232:	External IO/RS232 Interface
IPC2 / AVOUT RS485:	External IPC2/HD Video Output, RS485 Interface
MAIN:	4G/3G Main Antenna
DIV:	4G/3G Diversity Antenna (Optional)
	GNSS Positioning Interface
	Wi-Fi Communication Interface

CABLE SETUP

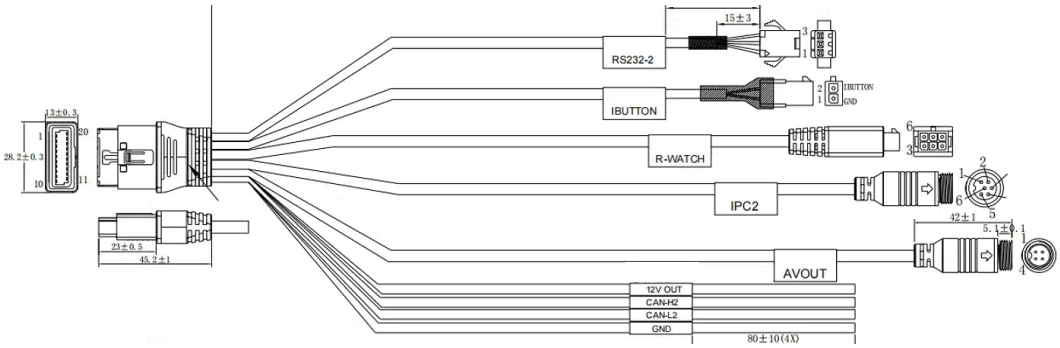
Power Interface Cable (Standard)



IO/RS232 Interface Cable (Required)



IPC2/AVOUT/RS485 Interface Cable (Required)



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