



FleetCam®

Enterprise 5

- Supports up to 5 video channels
- Optional ADAS & DMS with in-cab alerts
- Rugged Metal Design with Anti-Tamper Lock
- Easy live & historical video streaming
- Two-way WiFi, 4G, & LTE communication

FleetCam Enterprise 5 supports up to five separate cameras, helping you to monitor your vehicle and improve driver safety and accountability. It features easy installation, AI safety event detection and in-cab alerts, two-way communication, and supports 1920x1080p HD footage.

Remote Live & Historical Video Streaming

FleetCam Enterprise 5 allows managers to easily view historical footage or live streams without having to access the vehicle or pull SD cards.

Multiple Video Channels

FleetCam Enterprise 5 supports up to five 1920x1080p HD camera feeds for monitoring around and within your vehicles.

Effortless Communication

Built-in Wi-Fi, 4G, & LTE communication helps to ensure your feeds remain uninterrupted so you can get the most out of your fleet, no matter where your drivers are.

Life-Saving Safety Features

FleetCam Enterprise 5 helps to detect and prevent lane departures, unsafe following distance, phone usage, smoking, driver fatigue, and more with ADAS and DMS technology.

VIDEO/AUDIO

Input	4-channel AHD + 1-channel IPC
Output	1-channel (CVBS)
Total Resources	PAL: 4 × 720P@25 FPS(AHD)+1 × 1080P@30 FPS(IPC) Or 4 × 1080p @ 11 FPS (AHD) + 1 × 1080p @ 30 FPS (IPC) NTSC: 4 × 720P@30 FPS(AHD)+1 × 1080P@30 FPS(IPC) Or 4 × 1080p @ 11 FPS (AHD) + 1 × 1080p @ 30 FPS (IPC)
Video Signal Standards	Level: 1 Vpp; impedance: 75 ohm NTSC/PAL (optional)
Input	5 channels (1-channel IPC audio)
Output	1
Audio Signal Standards	Level: 2 Vpp; input impedance: 4.7 kilohm

POSITIONING

GPS	Positioning, speed detection, and time synchronization GPS L1 1575.42 MHz BDS B1 1561.098MH GALILEO E1B/C1 GLONASS L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN
G-Sensor	Built-in 6-axis inertial sensor
HDD/SSD	2 × SD card slots

PORT

USB	1 × USB2.0 (Type A)
RS485	1-channel
RS232	2
IO	8-channel input and 2-channel output
Control Panel	Optional LCD
Intercom	1 × MIC port
UPS	Supported (external)
UTC	Supported

NETWORK

IPC Ethernet	6-pin aviation plug (1 × 100M, PON power supply)
WIFI	Supported, 1 × SMA female connector, 802.11a/b/g/n/ac
3G/4G	Supported 2 × SMA female connectors For North America LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5 For Europe and Asia LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 For Latin America LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8

POWER SUPPLY

Input	DC 8 - 36 V
Output	5V@500 mA
Maximum Typical Power Consumption	29 W
Standby Power Consumption	≈ 0 W

ENVIROMENT

Operating Temperature	-40°C - +70°C
Operating Humidity	8% to 95% (non-condensing)

DISPLAY

Screen Split	1/4/9-screen display
Screen Display	Positioning information, alarms, license plate numbers, driving speed, time, etc.

RECORDING

Video Compr. Format	H.264/H.265
Audio Compr. Format	ADPCM,G.711U
Image Resolution	Analog: PAL: 1080P(1920X1080) 720P(1280X720), WD1(928X576), WHD1(928X288), WCIF(464X288), D1(704X576), HD1(704x288), CIF(352x288); NTSC: 1080P(1920X1080), 20P(1280X720), WD1(928X480), WHD1(928X240), WCIF(464X240), D1(704x480), HD1(704x240), CIF(352x240); Digital:1080P(1920X1080), 720P(1280X720);

PHYSICAL

Dimensions (mm)	167.3 × 146.3 × 54.1
Weight (kg)	0.83

DRIVER EVENTS VIA OPTIONAL AI KIT

ADAS FEATURES

Driver Monitoring System



Following Distance Warning



Forward Collision Warning



Lane Departure

HARSH EVENTS



Harsh Cornering



Harsh Accelerating



Harsh Braking

OTHER



No Driver Detected



SOS/PTO Event



Camera Covered

DMS FEATURES

Driver Monitoring System



Driver Distracted



Driver Fatigued



Driver Smoking



Driver Using Cell Phone



No Seat Belt

OPTIONAL AI KIT



ADAS Camera

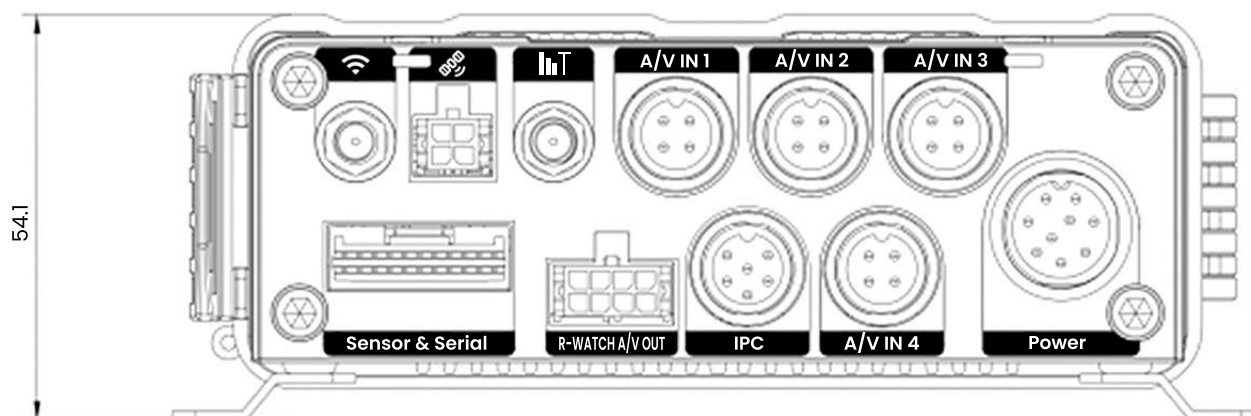


In-Cab Display

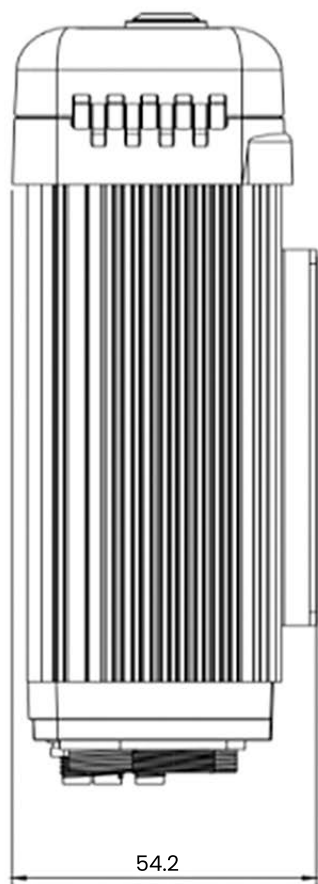


DMS-Camera

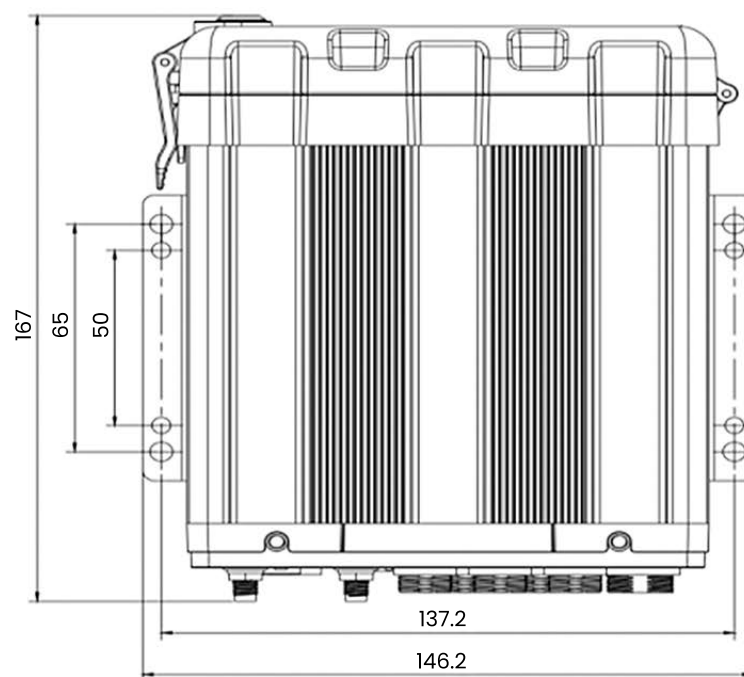
FRONT VIEW



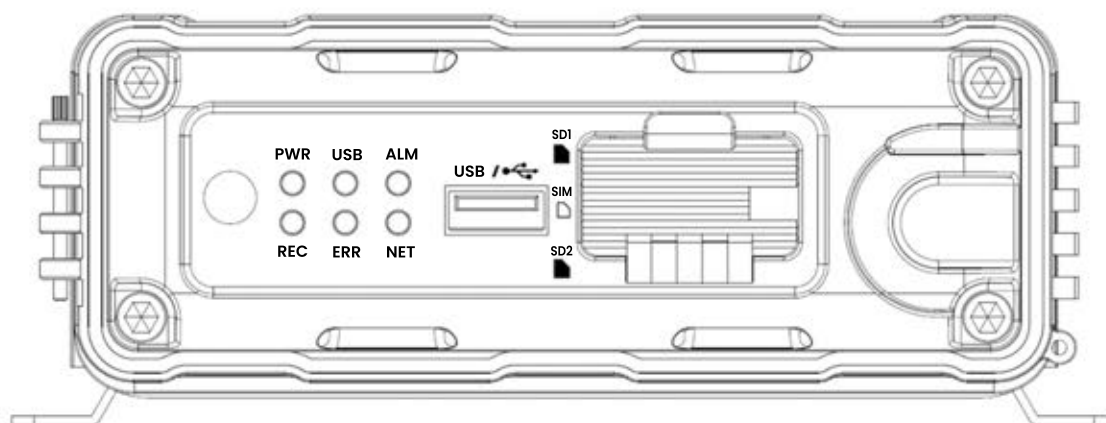
LEFT VIEW



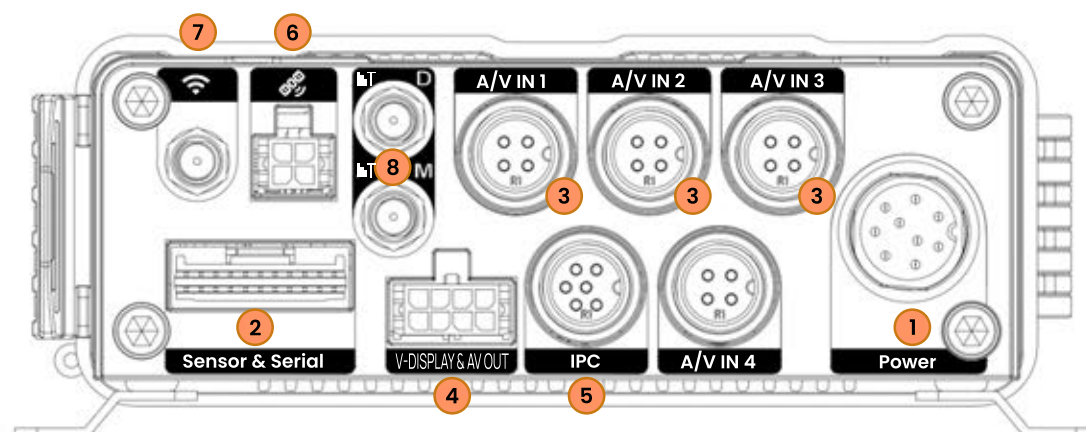
TOP VIEW



FRONT PANEL

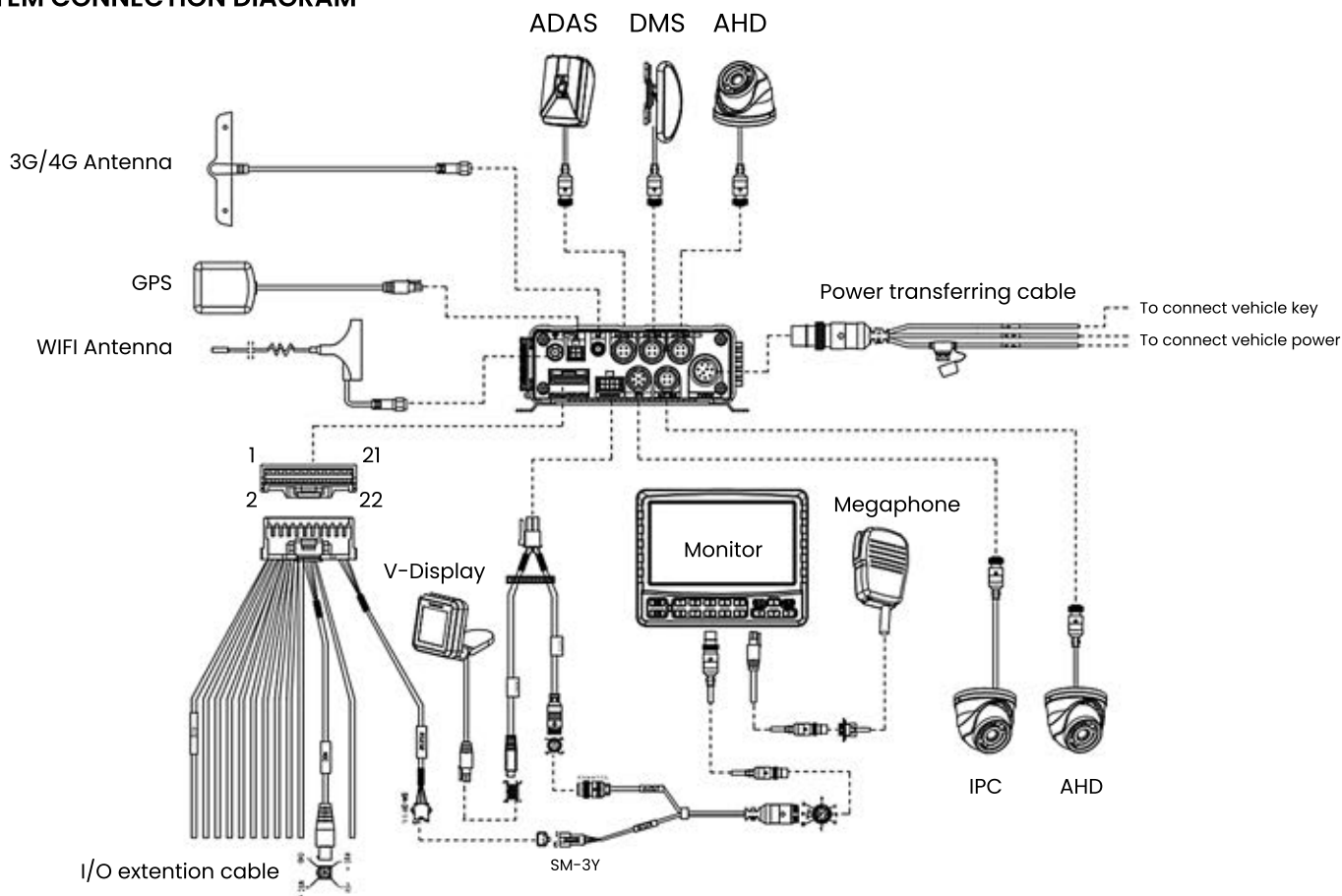


REAR PANEL



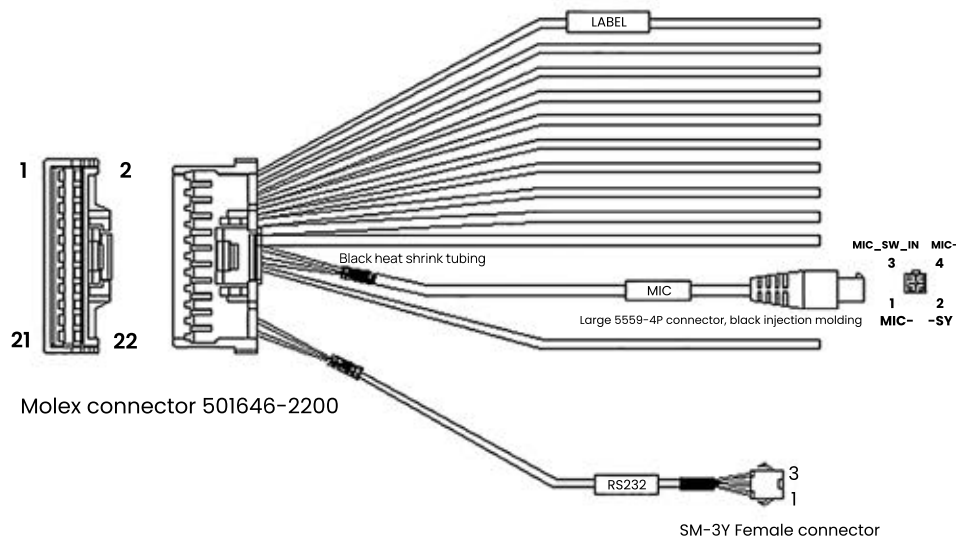
- | | | |
|---|---|---------------------------------------|
| 1 | Power | 8-36 V DC power input |
| 2 | Sensor & Serial | Serial port and IO port |
| 3 | A/V IN 1~4 | Analog audio/video input ports 1 to 4 |
| 4 | V-DISPLAY&A/V OUT | Analog audio/video output port |
| 5 | IPC | PON-powered IPC port |
| 6 |  | GPS/BD antenna connector |
| 7 |  | Wi-Fi Antenna connector |
| 8 | D/M | 3G/4G antenna connector |

SYSTEM CONNECTION DIAGRAM



DEFINITION OF EXTERNAL CABLE CONNECTOR PINOUTS

(1) ALARM SERIAL CABLE CONNECTOR PINOUT



PINOUT

501646-2200 Label content

1	Green	SENSOR IN1
3	Gray	SENSOR IN2
5	Light green	SENSOR IN3
7	Light blue	SENSOR IN4
9	Gray	SENSOR IN5
11	Orange	SENSOR IN6
13	Blue/Black	SENSOR IN7
15	Blue/White	SENSOR IN8
17	Blue	SPEED IN
12	Red/White	SENSOR OUT1
14	Red/Yellow	SENSOR OUT2
19	Black	GND
21	Red	+5V

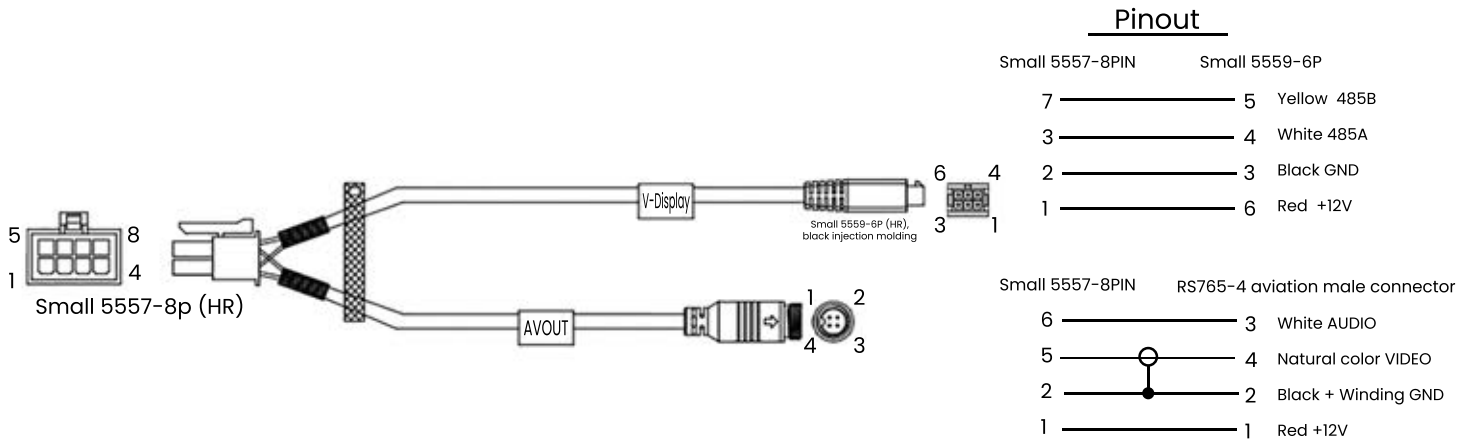
Large 5559-4P

16	3	MIC-SW
20	4	MIC-
22	1	MIC+
21	2	+5V

SM-3Y

18	Black	1	GND
10		2	232 RX-1
8		3	232 TX-1

(2) SIGNAL CABLE CONNECTOR PINOUT



(3) POWER CABLE CONNECTOR PINOUT

