FleetCam® Pro Road Only

Road-Facing AI Dashcam for Fleets

- Up to 5 Channels *
- ADAS and 6-axis accelerometer
- Built-in Wi-Fi, 4G, and GPS
- Wide-angle, road-facing view
- Plug & Play installation (OBD-II & JBUS)

Wake-up at will

Remote wake-up and sleep mode allows your team to stream or view footage whenever needed while also conserving vehicle battery life.

As wide as the eye can see

With up to 1920P UHD resolution and infrared lamp, FleetCam Pro is the ultimate in monitoring your fleet while ensuring excellent low-light performance.

Driving has never been safer

FleetCam Pro's AI detects and warns of safety events, saving lives and improving driving behavior with features like harsh driving detection, alerts, and more.

Effortless communications & tracking

With Wi-Fi, 4G communication, positioning module, echo cancellation, and noise canceling support, in-cab communication becomes effortless and clear.

* 5-channel capability requires the FC Pro Hub add-on module.

FleetCam Pro Road Only

As one of the most advanced AI dashcams on the market, FleetCam Pro has been redesigned from the ground up to help you monitor your fleet and improve driver safety and accountability. It features easy installation, AI safety event detection and alerts, 3-channel recording, and crystal-clear Ultra HD footage with ultra-wide angles and excellent low-light visibility.

Specification

Positioning

GNSS	Supported GPS L1 1575.42MHz GALILEO E1B/C1 GLONASS L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN

Network

Wi-Fi		Support 2.4G (IEEE Std.802.11a/IEEE Std. 802.11b/IEEE Std.802.11g/IEEE Std.802.11n)
4G	North America:	LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5
	Europe and Asia:	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8, GSM: B3/B8
	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

Physical

Dimensions (MM)	Dashcam: 113.0 mm (length) × 67.2 mm (width) × 57.0 mm (height, without bracket)
Weight (kg)	Net (device only): 295g Gross (including accessories and package): 745g Deviation: ±10g

Storage & Sensor

Six-axis Sensor	Harsh acceleration, Harsh deceleration, Harsh cornering
Micro SD card	Micro SD card×2, (SDXC 32GB-512GB) (FTS Approved SD cards only)

Port

RS232	1-channel
I/O Port	3-channel in + 1 out when adding FC Pro Hub*
CAN	1-channel

Power

Power supply	9-36V Range
Power consumption	• **standby**:13.5V@5.67mA, 27V@3.39mA • **sleep:** (4G and MCU powered): 13.5V@62~124mA, 27V@32~61mA • Typical power consumption: ~7.56W • Full-load power consumption: ~12.66W

Audio-Video

AV Recording	3-channel video + 1-channel audio (Expandable to 5-channel video + 3 Audio via FC Pro Hub)
Video Coding	H.265
Audio Compression	G.711
Audio	Built-in MIC
Loudspeaker	Built-in speaker, power: 3W, with adjustable volume, not less than 70 dB at 1 m distance

Enviroment

Operating Temp.	-40°C ~ +70°C (-40°F ~ +158°F)
Storage Temp.	-40°C ~ +85°C (-40°F ~ +185°F)
Operating & storage Humidity	15~95% non-condensing
IP Rating	IP30

Recording

Video Compr. Format	H.265
Audio Compr. Format	ADPCM, G.711U

Image Resolution

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); NTSC 1080P (1920 × 1080), 720P (1280 × 720), WD1 (928 × 480), WHD 1(928 × 240), WCIF (464 × 240), D1 (704 × 480), HD1 (704 × 240), CIF (352 × 240); Digital 1080P (1920 × 1080), 720P (1280 × 720)

*Using the FC Pro Hub will provide a total of 3-channel inputs + 1-channel output.

Status Indicators

Power Status Lights

Off: The device is not powered on
Steady green: The device is powered normally

Alarm Indicator

Off: The device is not currently uploading data
Red flashes three times: The device is uploading data

GPS Signal Indicator

Off: Normal
Steady red: No GPS, or module may be malfunctioning
Red flash (once per second): GPS reception is poor

Network Status Indicator

Off: The device is connected to the server normally
Steady red: The device is not connected to the server

Wi-Fi Status Indicator

Off: The device is in Disable or Client mode
Steady green: The device is in AP mode
Steady red: There is an issue with the Wi-Fi

Recording Status Indicator

Off: The built-in or extended camera is operating normally
Steady red: The built-in or extended camera stopped recording (including privacy mode)/failed

Button

SOS or Manual trigger event: Single Press
Privacy Mode: Press and hold to enable
WiFi AP Mode: Press twice within 2 seconds to enable

FleetCam Pro Road Only - Driver Events

ADAS Features

- Following Distance Warning
- Forward Collision Warning
- Lane Departure
- Rolling Stop Sign
- Pedestrian Warning

System Events

- Low Voltage
- Memory Error
- Video Loss

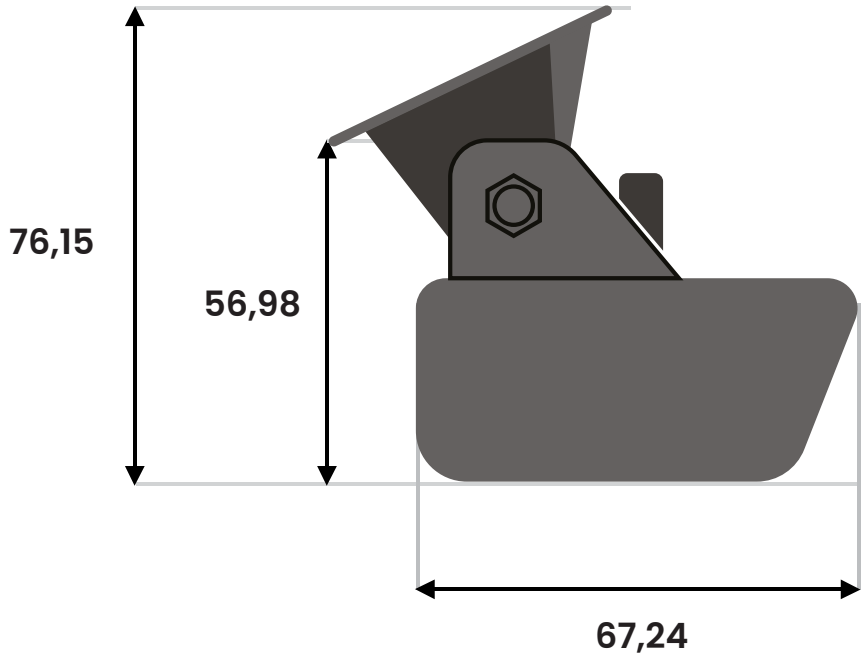
Harsh Events

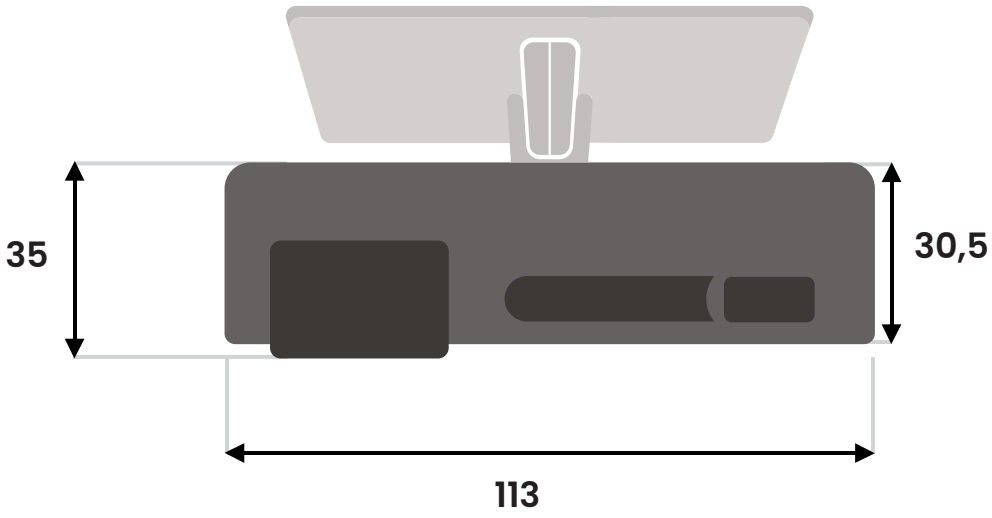
- Harsh Cornering
- Harsh Accelerating
- Harsh Braking

Other

- SOS/PTO Event

Dimensions (mm)





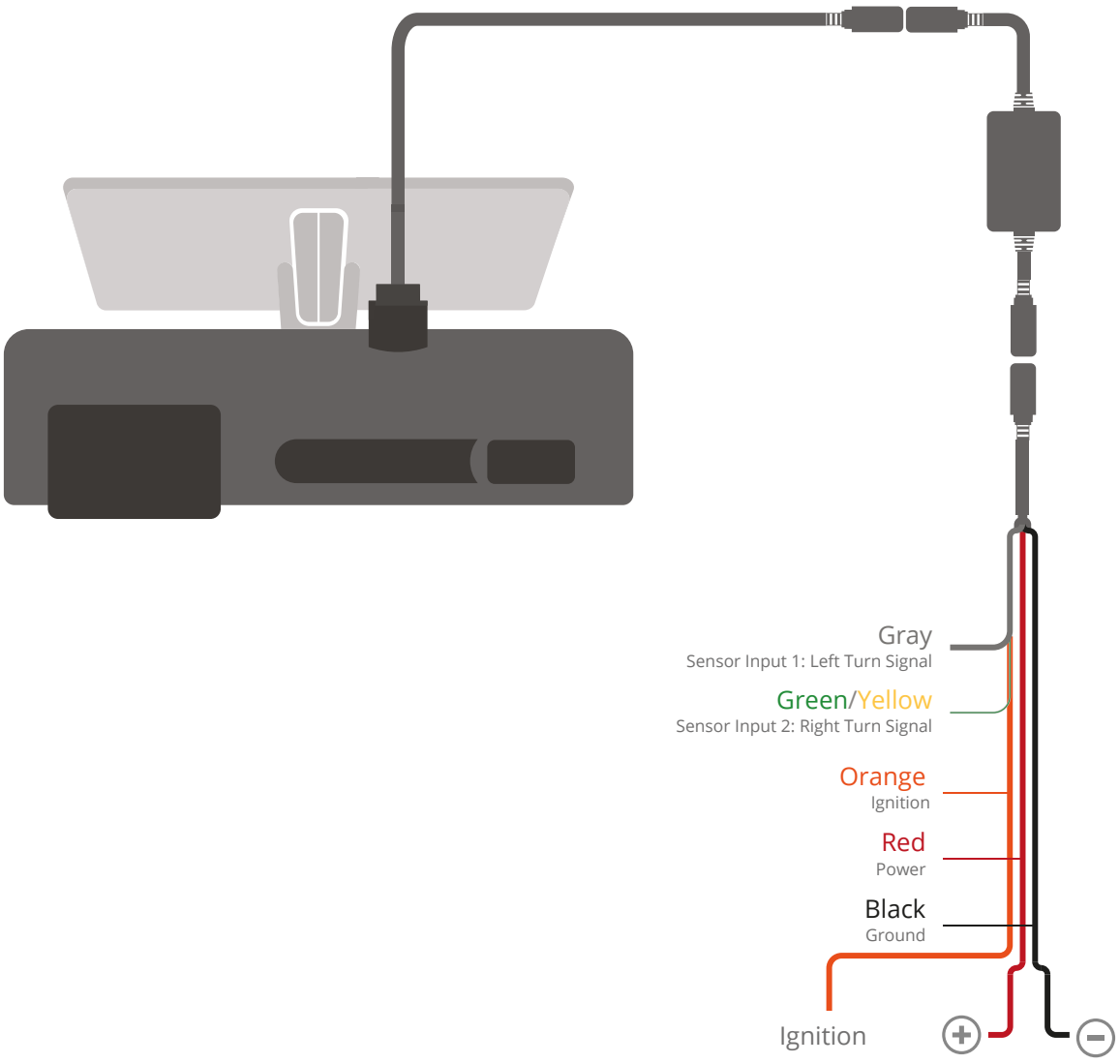
Feature Comparison Chart

	Essential	Pro
Video recording	2-channel	Up to 5-channel*
Video resolution	1080P Road	1080P Road
Field of view (fov)	106° road	140° road
AI Driver Events	YES	YES
6-Axis Accelerometer	YES	YES
GPS	High precision GNSS	High precision GNSS with dead-reckoning
Add-ons	Up to 1 external camera	Up to 4 external cameras and 1 LCD

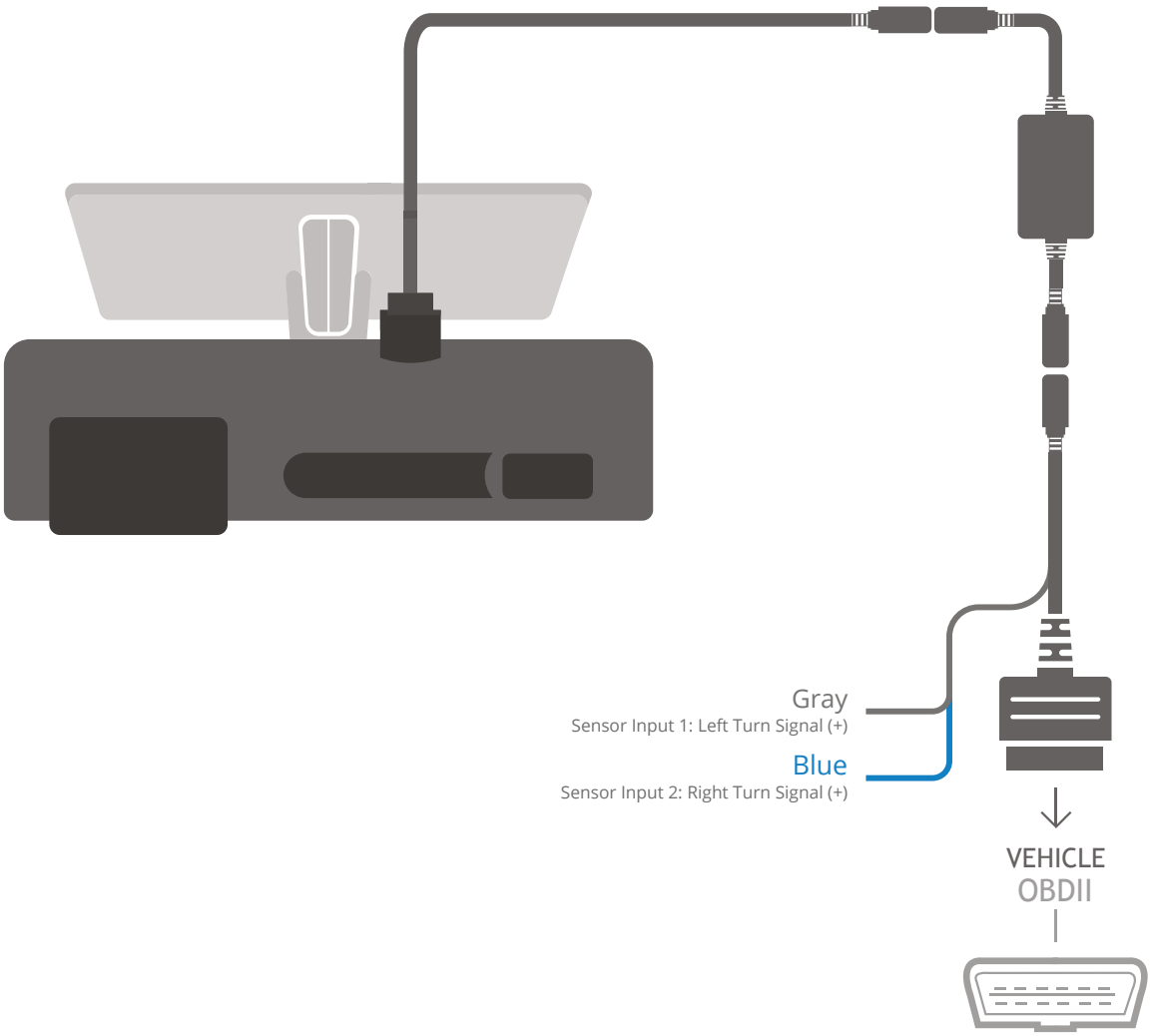
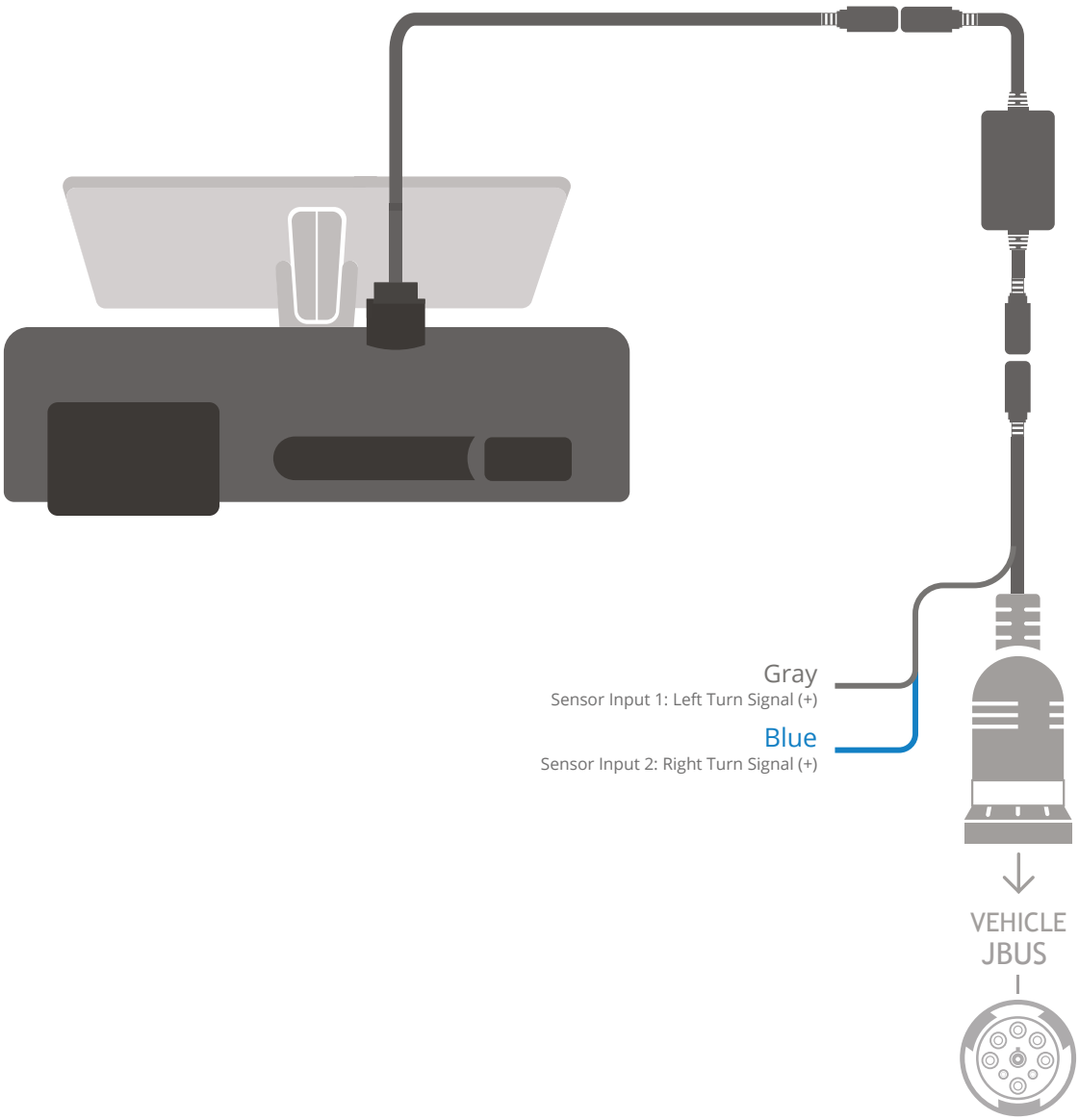
*5-channel capability requires the FC Pro Hub add-on module.

System Connection Diagrams

1. FleetCam Pro Road Only Hardwired



2. FleetCam Pro OBD-II



3. FleetCam Pro JBus