






AI-powered safety for modern fleets



-  Up to 6 Channels*
-  ADAS, DMS and 6-axis accelerometer
-  Built-in Wi-Fi, 4G, and GPS
-  Ultra-wide 140° road-facing & 170° driver-facing FOV
-  Plug & Play installation (OBD-II & JBUS)

Wake-up at will

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

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.

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

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.

Effortless communication & tracking

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

FleetCam Pro

FC-PRO-NA-22, FC-PRO-NA-22-6, FC-PRO-LAT-22, FC-PRO-EMEA-22 FC-PRO-R-NA-22,
FC-PRO-R-NA-22-6, FC-PRO-R-EMEA-22, FC-PRO-R-LAT-22

As one of the most advanced AI dashcams on the market, FleetCam Pro has been designed to help you monitor your fleet and improve driver safety and accountability. It features easy installation, AI safety event detection and alerts, 4-channel recording, and crystal-clear Ultra HD footage with ultra-wide angles and excellent low-light visibility.

Specification

Positioning

GNSS	<ul style="list-style-type: none">SupportedGPS L1 1575.42MHzGALILEO E1B/C1GLONASS L1OF 1602MHzSBAS: WAAS, EGNOS, MSAS, GAGAN
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Network

Wi-Fi	Support 2.4G (IEEE Std.802.11a/IEEE Std.802.11b/IEEE Std.802.11g/IEEE Std.802.11n)						
4G	<table><tr><td>North America:</td><td>LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5</td></tr><tr><td>Europe and Asia:</td><td>LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8, GSM: B3/B8</td></tr><tr><td>Latin America:</td><td>LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8</td></tr></table>	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
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Physical

Dimensions (MM)	Dashcam: 113.0 mm×67.8 mm×88.2 mm (excluding bracket) (± 2 mm) Package: 176 mm×150 mm×114 mm (±3 mm)
Weight (kg)	Device only: 295g Accessories+package: 745g (±10g)

Storage & Sensor

Six-axis Sensor	Harsh acceleration, Harsh deceleration, Harsh cornering
Environmental Light Sensor	Used for the in-cab camera, for day/night mode switching
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	<ul style="list-style-type: none">standby:13.5V@5.67mA, 27V@3.39mAsleep: (4G and MCU powered): 13.5V@62~124mA, 27V@32~61mATypical power consumption: ~7.56WFull-load power consumption: ~12.66W

Audio-Video

AV Recording	4-channel video + 1-channel audio (Expandable to 6-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

Environment

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), WHD1 (928 × 240), WCIF (464 × 240), D1 (704 × 480), HD1 (704 × 240), CIF (352 × 240); Digital 1080P (1920 × 1080), 720P (1280 × 720)

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 – Driver Events




ADAS FEATURES

-  Following distance warning
-  Forward collision warning
-  Lane departure
-  Rolling stop sign
-  Pedestrian warning




DMS FEATURES

-  Driver distracted
-  Driver fatigued
-  Driver smoking
-  Driver using cell phone
-  No seat belt




HARSH EVENTS

-  Harsh Cornering
-  Harsh Accelerating
-  Harsh Braking

OTHER

-  No driver detected
-  SOS/PTO event
-  Camera covered

SYSTEM EVENTS

-  Low Voltage
-  Memory Error
-  Video Loss

Feature Comparison Chart



Essential

Pro

Video recording

2-channel

Up to 6-channel*

Video resolution

1080P Road & Driver

1080P Road & Driver

Field of view (fov)

106° road / 170° driver

140° road / 170° driver

AI Driver Events

YES

YES

6-Axis Accelerometer

YES

YES

GPS

High precision GNSS

High precision GNSS
with dead-reckoning

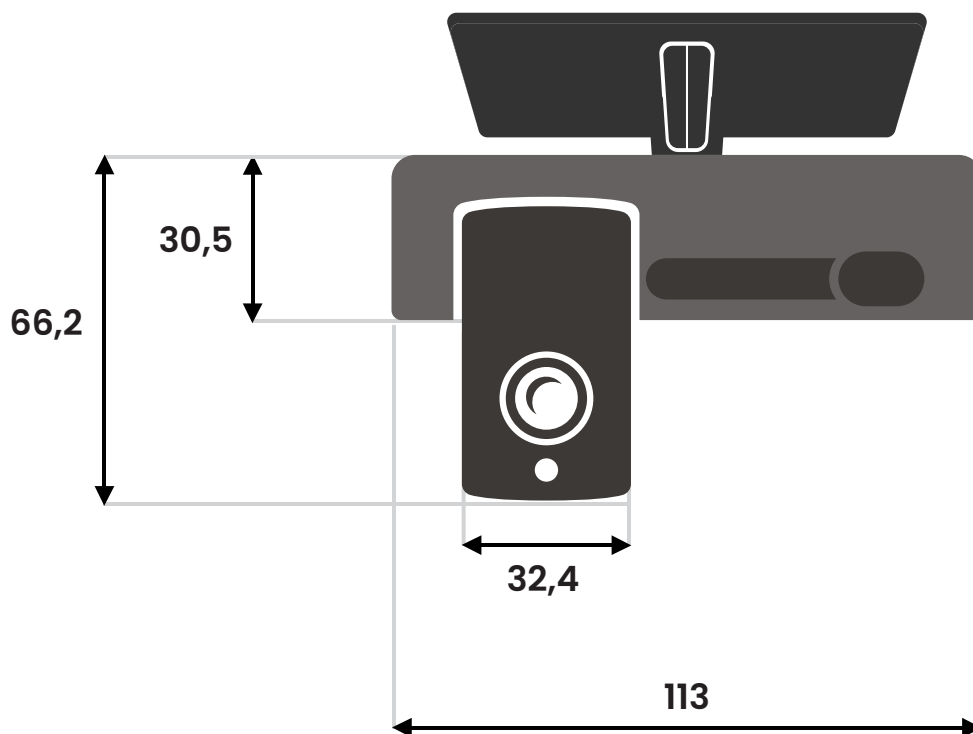
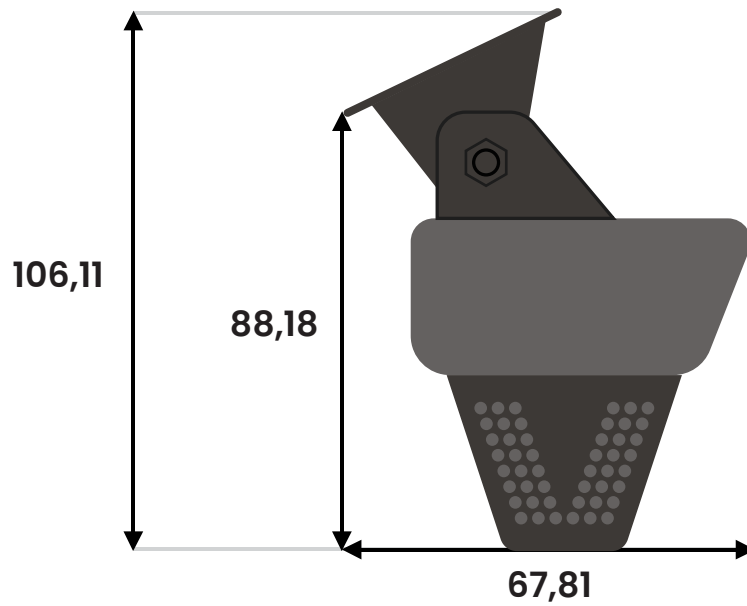
Add-ons

None

Up to 4 external cameras and 1 LCD

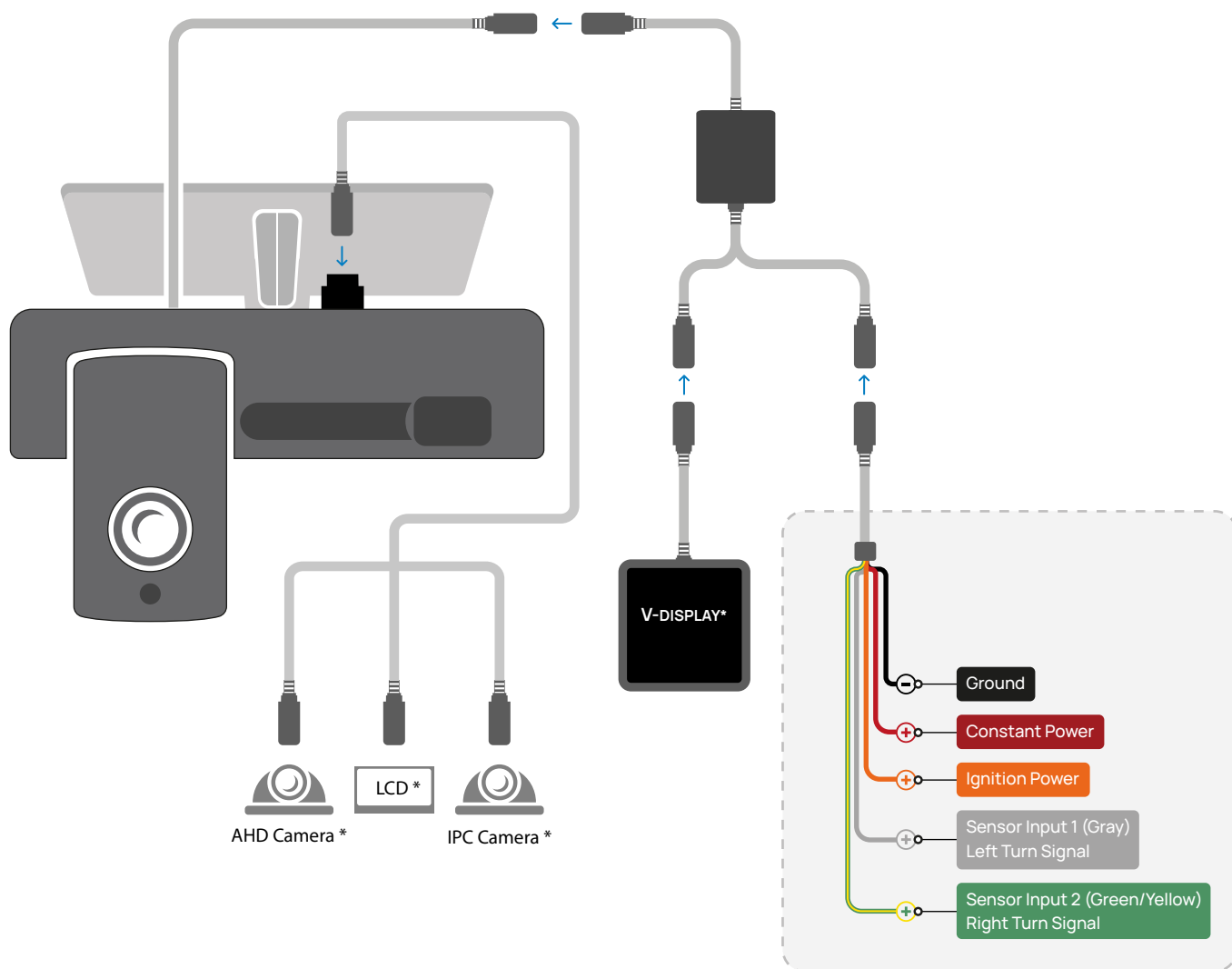
* FC Pro 6-channel capability requires the FC Hub add-on module.

Dimensions (mm)



System Connection Diagrams

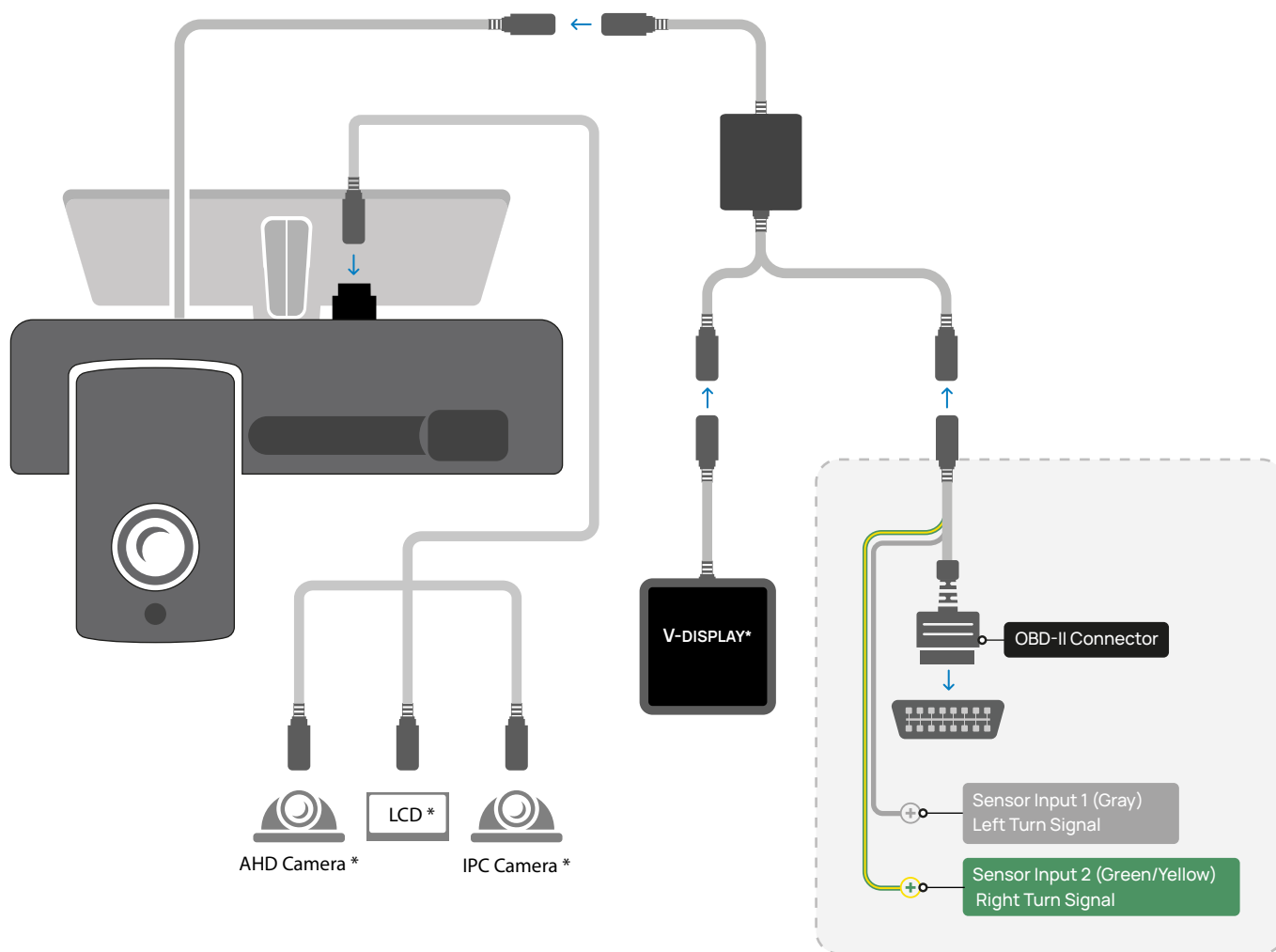
1. FleetCam Pro Hardwired



*-Optional

System Connection Diagrams

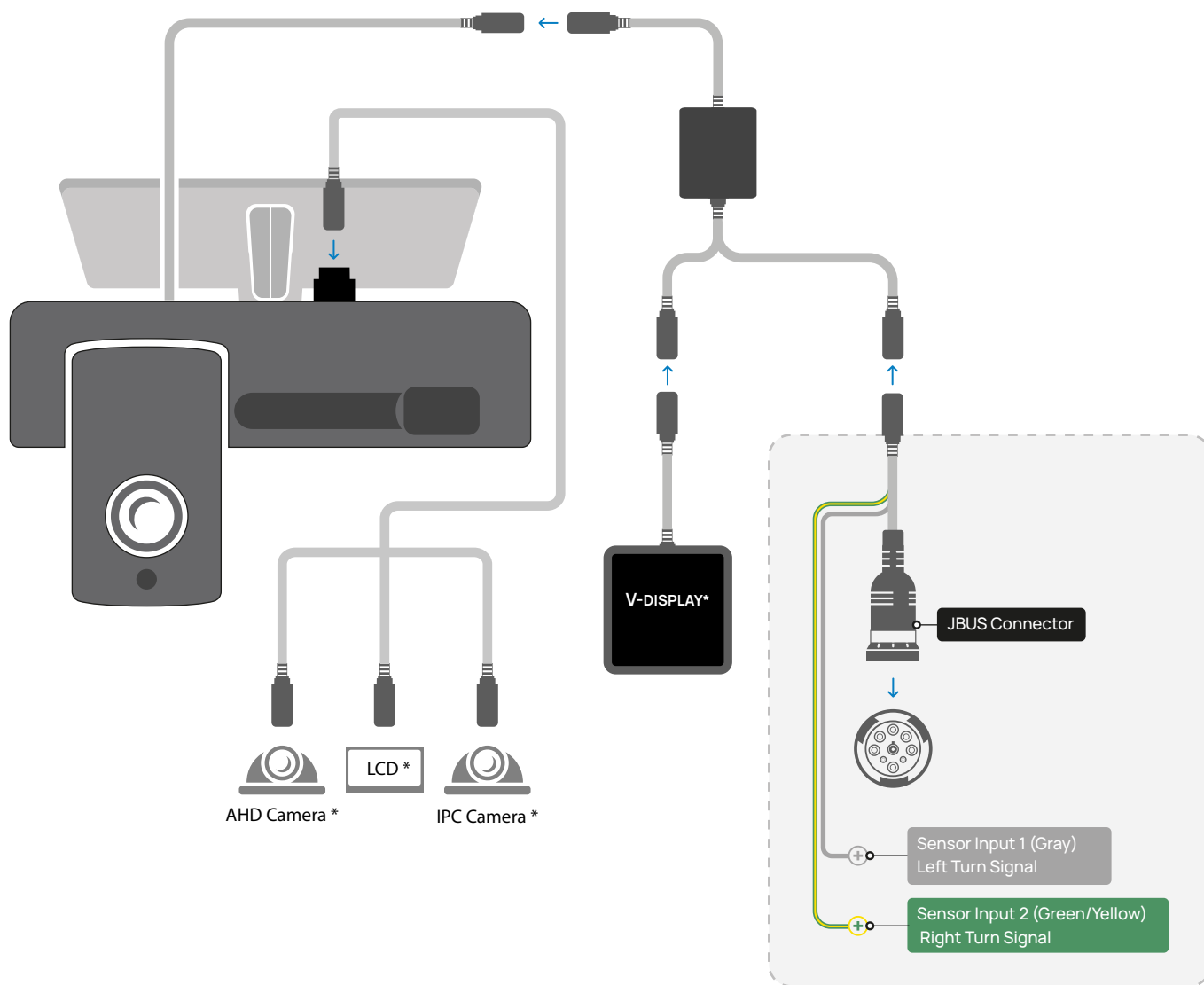
2. FleetCam Pro OBD-II



*-Optional

System Connection Diagrams

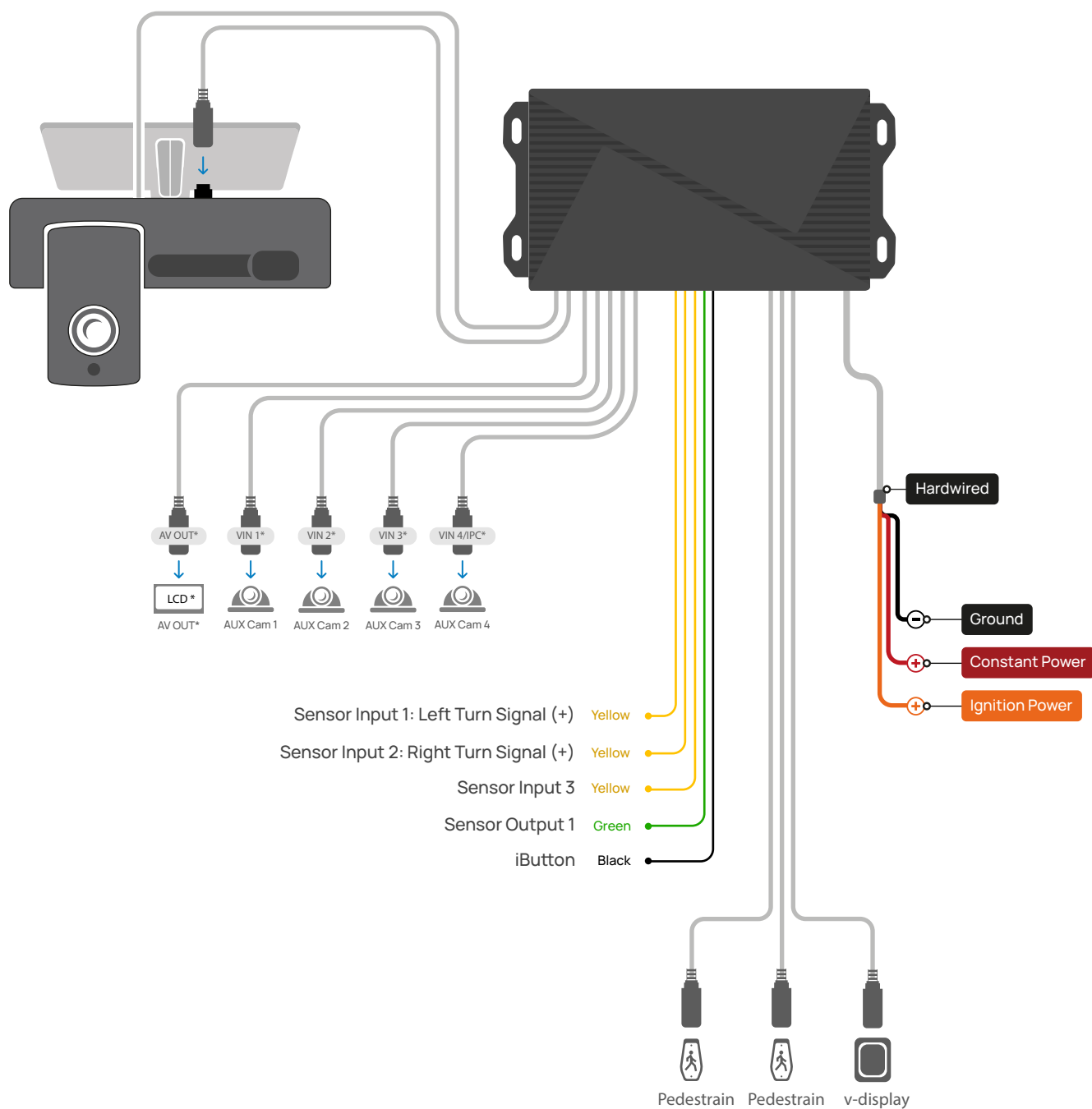
3. FleetCam Pro JBUS



*-Optional

System Connection Diagrams

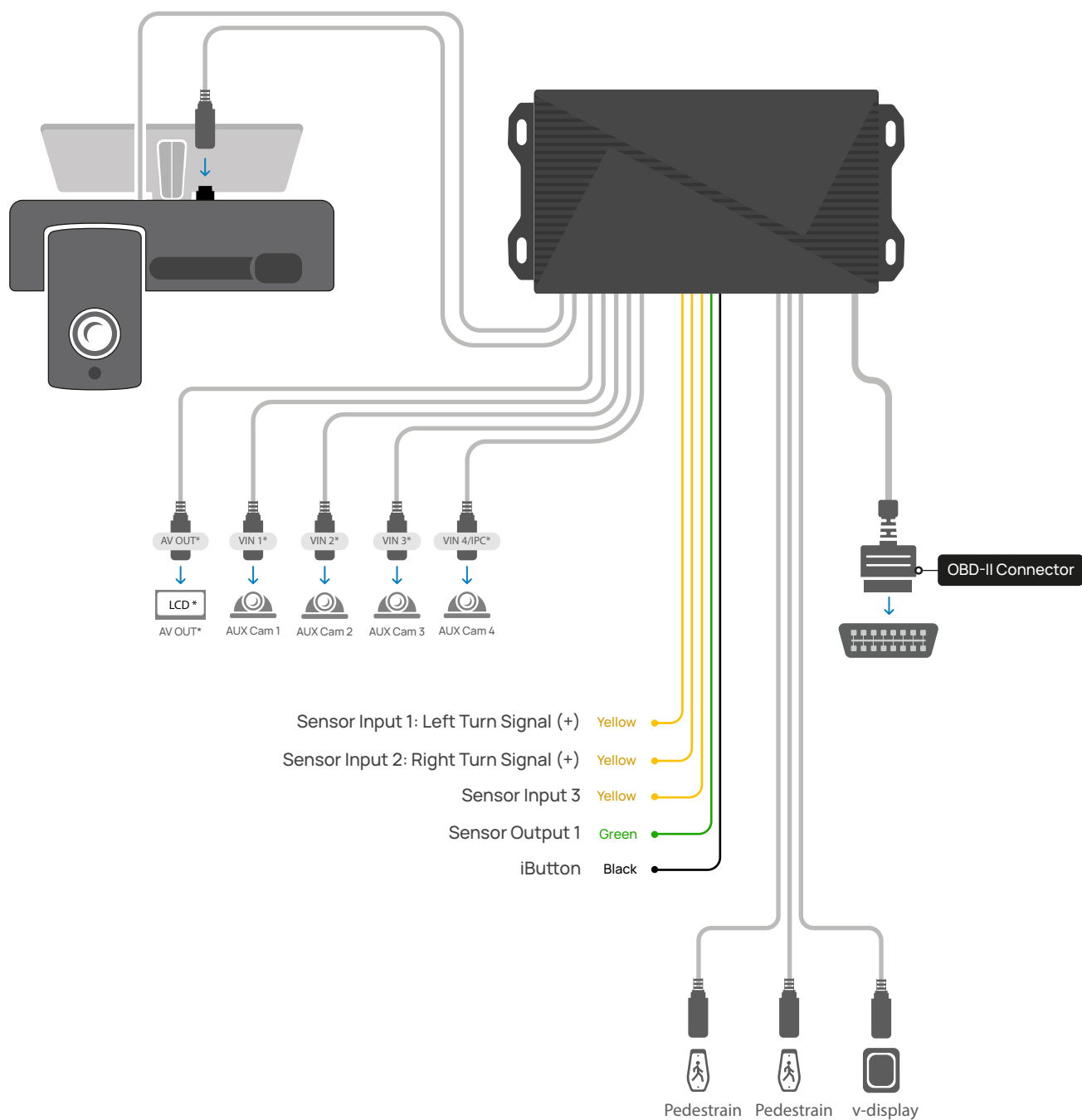
4. FleetCam Pro Hardwired with FC PRO HUB



*-Optional

System Connection Diagrams

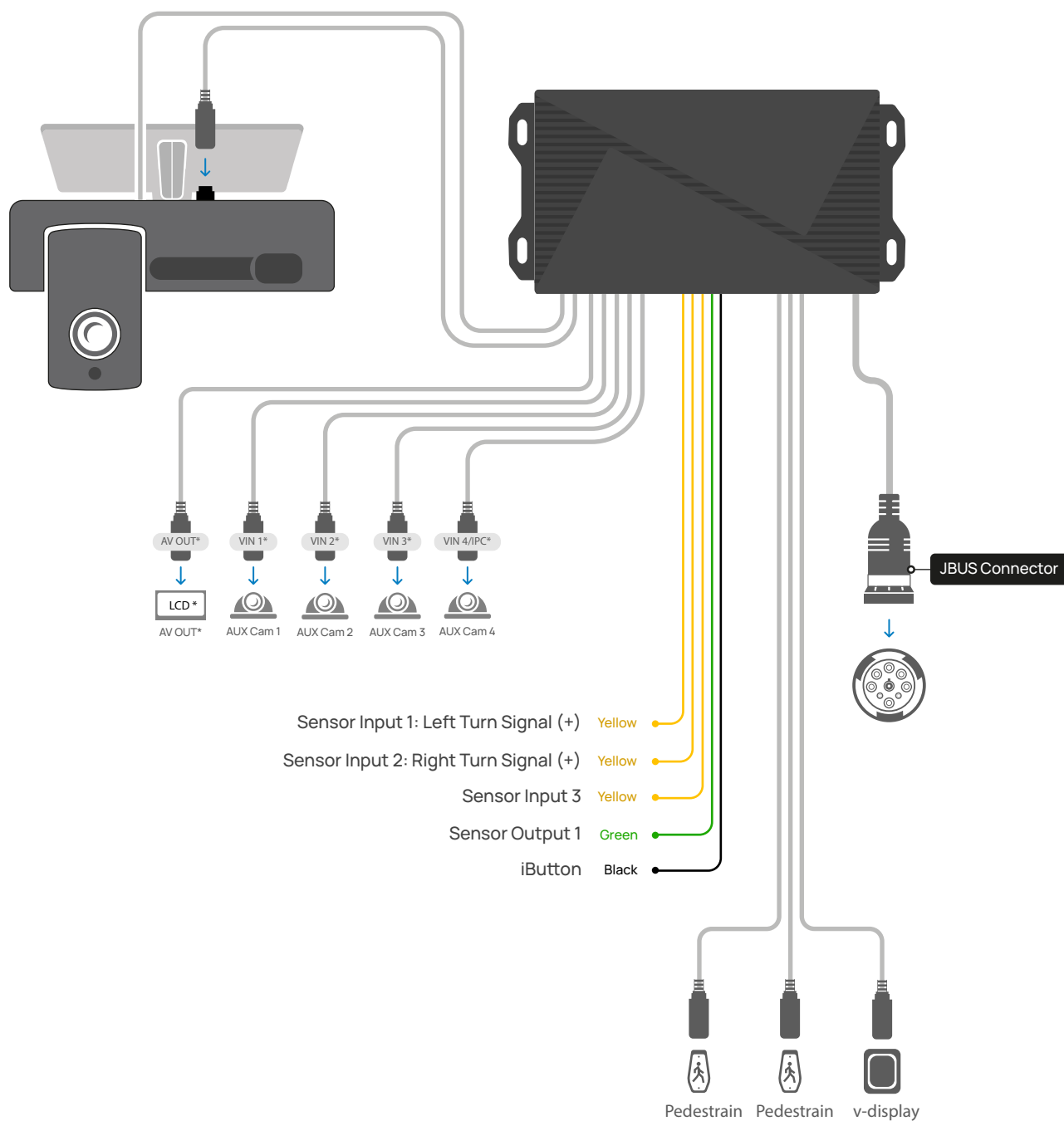
5. FleetCam Pro OBD-II with FC PRO HUB



*-Optional

System Connection Diagrams

6. FleetCam Pro JBUS with FC PRO HUB



*-Optional