

The Smarter AI™ Dashcam Fleet CAN

Version 1.0 | As seen on [The Smarter AI™ Dashcam Fleet CAN](#)

Smarter, AI-driven, and connected fleets.

Manage your [fleets](#) of vehicles with a single in-vehicle device. Complex integration between dashcams, [Telematics Control Units](#) (TCU), and [Fleet Management](#) system is a thing of the past with AnyConnect Smarter AI™ Dashcam Fleet CAN. AnyConnect Smarter AI™ Dashcam Fleet CAN has been designed to act as a TCU, and as an [LTE](#) connected [video telematics](#) system, with up to 3 cameras. Highly suitable for [fleets](#), [taxis](#), [ride-hailing](#), and [rental car](#) applications, the Smarter AI™ Dashcam Fleet CAN is well integrated into vehicle's cabins with a small form factor, neat cabling, and an anti-tampering design. On top of that, the Smarter AI™ Dashcam Fleet CAN has the driver in mind. It's [AI accelerator](#) enables you to deploy different AI models, [over-the-air](#), though [AI Containers](#), such as [ADAS](#) or Driver Training. The Dashcam has an inbuilt [NFC](#) card reader to authenticate your drivers as well as a microphone and a loudspeaker to interface with the driver safely.



The Smarter AI™ Dashcam Fleet CAN overview



System

- ✓ Up to 3 cameras (2 inbuilt and 1 deported)
- ✓ Connectivity: LTE/4G, Wi-Fi
- ✓ In-cabin camera with IR illumination
- ✓ NFC card reader for driver authentication
- ✓ Neat installation with good cable management
- ✓ Rich Satellite Positioning & navigation ([GNSS](#)): GPS, AGPS, GLONASS, QZSS, BeiDou
- ✓ Advanced localization with Automotive Dead Reckoning (ADR) for precise positioning even with intermittent [GNSS](#)
- ✓ Broad operating temperature range: -20°C to +60°C (-4°F to 140°F)



Features

- ✓ Secure audio, video and data [streaming](#) over the internet
- ✓ [GDPR and privacy compliant](#)
- ✓ Easy and fast [onboarding](#) and setup
- ✓ [Real-time video streaming](#) over cellular networks
- ✓ Local and cloud video and data [recording](#)
- ✓ Android & iOS apps
- ✓ VMS compatible (on demand)
- ✓ Simple remote operation
- ✓ Centralized management through [Console](#)
- ✓ Easy [integration](#) with Fleet Management Systems and other systems

- ✓ Anti-tampering design & IP 41 rated
- ✓ Loudspeaker and noise-cancellation microphone
- ✓ TCU replacement (Accelerometer, Gyro, ECU Connection, CAN)



AI

- ✓ Driver Training
- ✓ ADAS
- ✓ Deploy AI to the edge, [Over-the-Air \(OTA\)](#) through [AI Containers™](#)
- ✓ [AI Store](#) has a lot of models helping with your business
- ✓ Optional facial recognition of the driver
- ✓ "Sentry Mode"-like: alerts if people are close to the vehicle or loitering



Industries

- ✓ Taxi & Ride-hailing applications
- ✓ Rental Cars
- ✓ Delivery cars, vans, and trucks
- ✓ Trucks: big rigs, and vans, etc.
- ✓ Construction: vehicles, cement mixers, construction machinery, etc.
- ✓ Defense: cars, vans, ambulances, etc.
- ✓ Education: schoolbuses, etc.
- ✓ F&B & retail: food trucks, delivery vehicles, etc.
- ✓ Government: government vehicle, etc.
- ✓ Healthcare: ambulances, emergency vehicles, etc.
- ✓ Offices: corporate fleets, warehouse forklifts, etc.
- ✓ Public Security: Police vehicles, Firefighters vehicles, etc.
- ✓ Tourisme: coaches, minivans, small boats, etc.
- ✓ Transportation: airports vehicles, buses, railway vehicles, etc.
- ✓ Worshipping: coaches, minivans, etc.

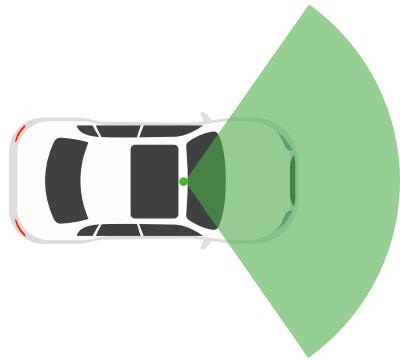
Installation Overview

Front View



Forward Facing Camer

Horizontal Field of View 140°

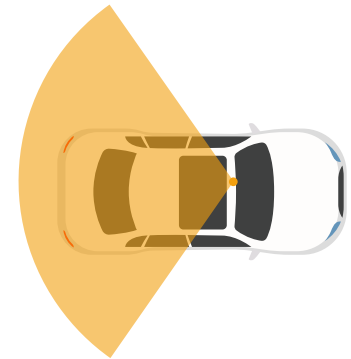


Back View



Field of View

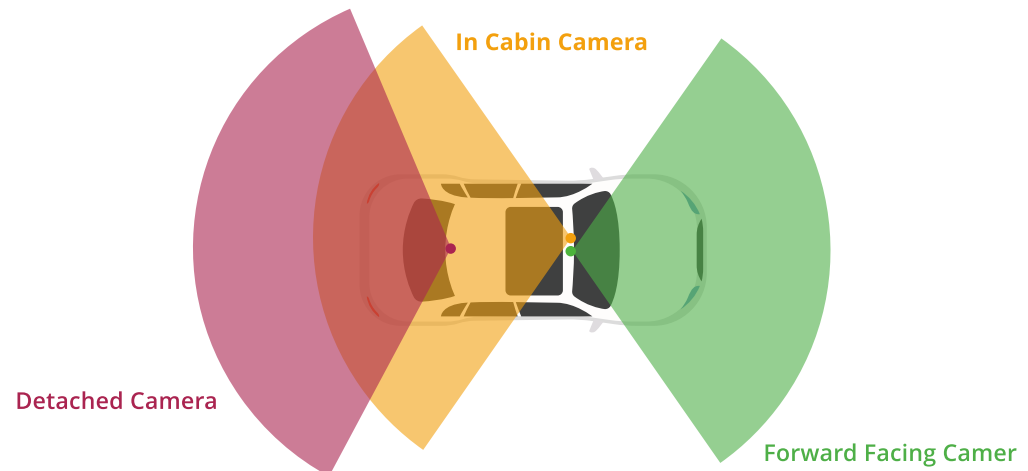
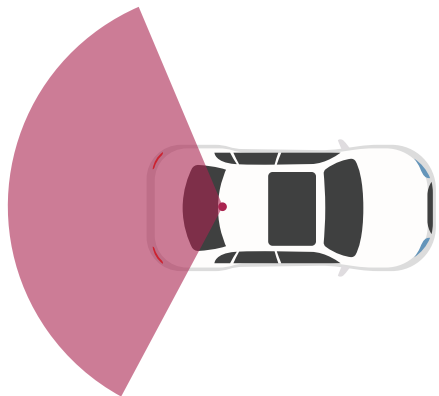
In Cabin: Horizontal FOV 140°



Detached Imager



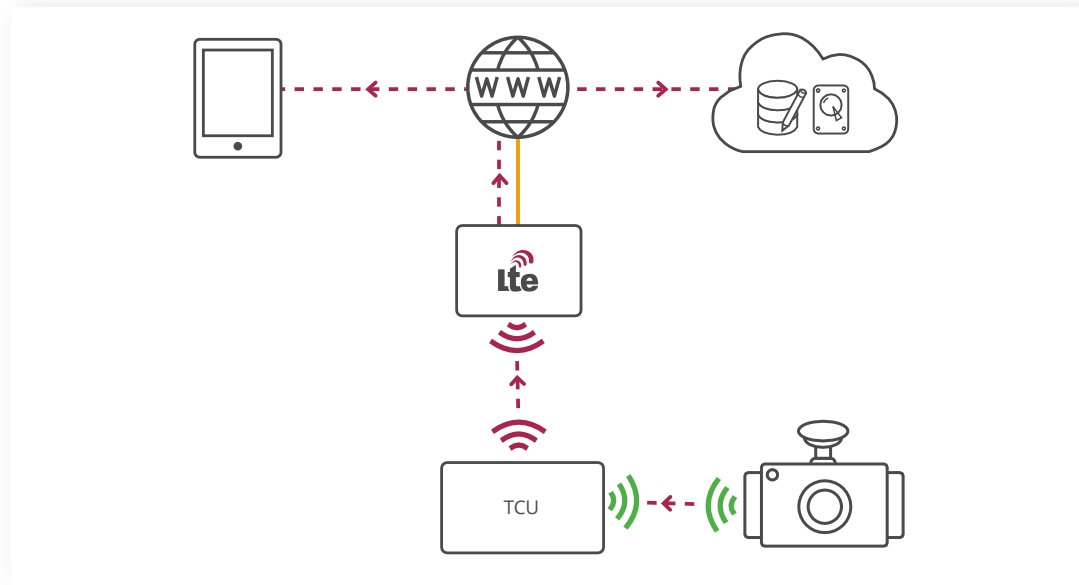
Detached Camera
Horizontal FOV 145°



Deployment Options

The Smarter AI™ Dashcam Fleet CAN supports LTE/4G and Wi-Fi connections:

Wi-Fi

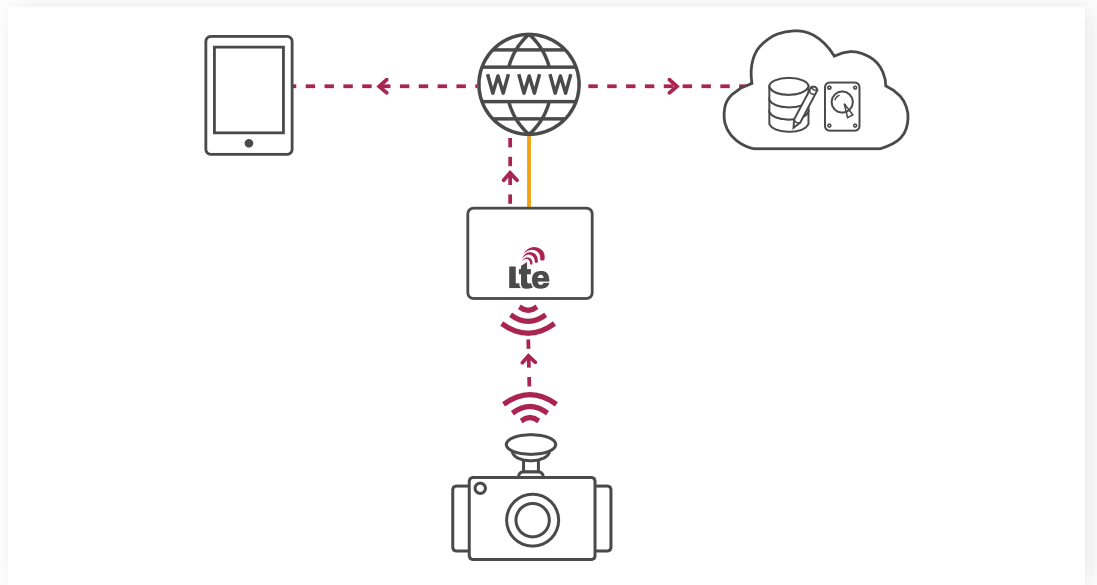


The vehicle has a TCU with an LTE/4G connection.

The Smarter AI™ Dashcam Fleet CAN connects to the TCU via Wi-Fi.

The TCU shares its internet connection with the Smarter AI™ Dashcam Fleet CAN.

LTE/4G



The Smarter AI™ Dashcam Fleet CAN connects to the Internet through its LTE/4G connection. It can share its internet access through Wi-Fi.

The Smarter AI™ Dashcam Fleet CAN runs AnyConnect Smarter Camera Platform. What is this platform about?

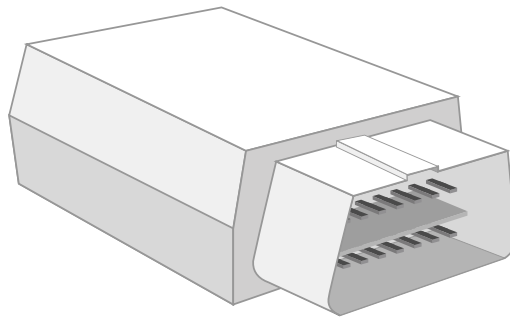
AnyConnect's *Smarter* Camera Platform is the equivalent of Android for cameras. With its powerful set of [software libraries](#) for cameras and an overarching cloud platform that makes a camera (such as Smarter AI™ Dashcam Fleet CAN) smarter.

With AnyConnect's [patented technologies](#), the Smarter AI™ Dashcam Fleet CAN has a [guaranteed and low latency video & audio connections](#) through NATs, [especially wireless and cellular networks](#) & [cloud video recording](#).

With AnyConnect Smarter Camera Platform, the Smarter AI™ Dashcam Fleet CAN runs AI-driven [computer vision](#) at the edge, in a [secure and data-protection-compliant](#) way. A [console](#) provides a full overview of all connections and offers granular control over the entire system.

Smarter AI™ Dashcam Fleet CAN in-depth

All-in-one, AI Video Telematics system



AnyConnect Smarter AI™ Dashcam Fleet CAN provides a complete, in-vehicle solution for [Video Telematics](#), [Driver Training & Management](#), [ADAS](#), and vehicle monitoring. Its [OBD-II](#) and GNSS interfaces remove the need for an additional Telematics Control Unit (TCU), and its integrated [LTE/4G cellular](#) means no other in-vehicle modem is required. Furthermore, the Smarter AI™ Dashcam Fleet CAN system can share its cellular Internet connection with other devices through [Wi-Fi](#).



Neat cabling & tamper-proof installation

Regardless if a vehicle is always used by the same person or by different people all the time, such as rental cars, visible cables, and accessible buttons that can be fiddled with are always an issue. AnyConnect Smarter AI™ Dashcam Fleet CAN has explicitly been designed with the cockpit and the driver in mind. It's as discreet as possible and hard to tamper with. This design dramatically reduces in-field support requests.



Easy driver authentication

How do you know which driver drives which vehicle? AnyConnect Smarter AI™ Dashcam Fleet CAN has a simple solution to this problem. It's equipped with an in-built [NFC](#) card reader, supporting leading, secured, corporate access control credentials, such as [MiFare](#) & [FeliCA](#), as well as [RFID](#) (HF) [ISO14443A&B](#) & [ISO15693](#). You're most likely to be able to reuse your existing credentials without distributing new ones, as long as they comply with the standards listed above. A loudspeaker reminds a driver to authenticate him/herself.



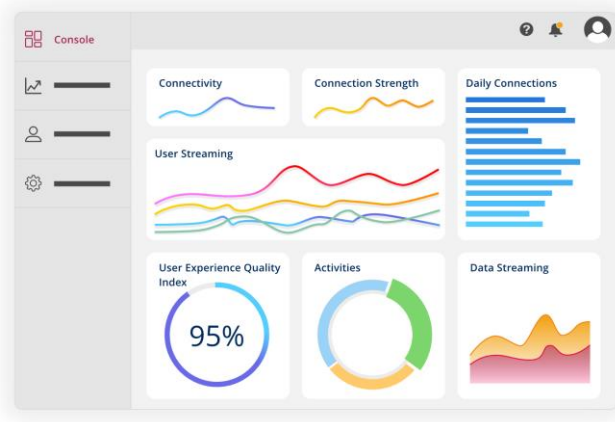
See inside and around your vehicles, in real-time

With up to 3 cameras with wide [Field of View \(FoV\)](#), the Smarter AI™ Dashcam Fleet CAN gives you high-definition ([1080p](#)) coverage of the inside as well as the outside of your vehicles. The in-cabin camera is equipped with a non-human-eye visible [IR illuminator](#) to give you a good view of the driver and the passengers. The outdoor cameras have been tuned to offer excellent [low light capabilities](#). On top of that, the Smarter AI™ Dashcam Fleet CAN is equipped with a loudspeaker and a microphone to facilitate safe driver interactions.











Real-time, connected and AI-driven alarm system

Be alerted, in real-time, when someone is loitering around your vehicles. The Smarter AI™ Dashcam Fleet CAN will send you an alert with live video and audio stream if it detects loitering. You will be able to speak through the loudspeaker of the camera in real-time.



Centralized management

Manage your deployments of AnyConnect's Smarter AI™ Dashcam Fleet CAN from a single interface. [Fleet Management Systems](#), which are easy to integrate using AnyConnect [REST APIs](#), are perfect for managing your camera networks. You can also use AnyConnect centralized web configuration and monitoring tool: [Console](#). Whether you use one or the other, managing users, cameras, access rights, health monitoring, and even have an understanding of the quality level of each connection between a camera and a client, is made easy.

	Manage User	Manage Device	Vehicle 01 Cam	Vehicle 02 Cam
	 Gregory Galan		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	 Linda Burress		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	 Irene Ross		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	 John Wood		<input type="checkbox"/>	<input checked="" type="checkbox"/>

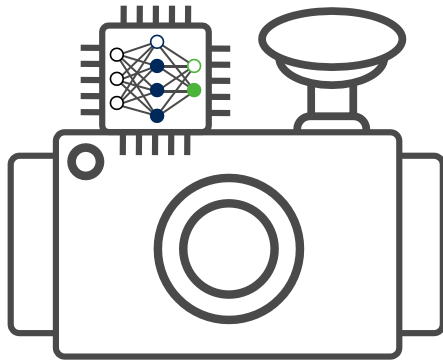
Access-control & onboarding

AnyConnect's Smarter AI™ Dashcam Fleet CAN leverages AnyConnect Smarter Camera Platform, which takes care of [Access control](#) and [onboarding](#), as well as to push the device's configuration, [over-the-air](#). The onboarding process is done through a smartphone or a tablet when the camera is installed in a vehicle. AnyConnect offers zero-touch mass onboarding as well, upon request.



Natively connected

AnyConnect's Smarter AI™ Dashcam Fleet CAN is natively connected, with no VPN or other complex network equipment needed. With its [Instant Connections](#) as well as [Adaptive Bitrate Streaming](#) capabilities, AnyConnect's Smarter AI™ Dashcam Fleet CAN excels in dealing with "difficult" and intermittent networks, such as [Cellular\(4G/LTE\)](#) and [Wi-Fi](#).



Edge AI

Most dashcams, today, have no, or very minimal [HAAR](#)-based video analytics. Video analytics are running on the dashcam's [CPU](#) or [DSP](#). AnyConnect's Smarter AI™ Dashcam Fleet CAN comes equipped with a power-efficient [AI accelerator](#). This AI Accelerator enables you to run multiple AI Models at the same time while minimizing power drain to the vehicle. The AnyConnect's Smarter AI™ Dashcam Fleet CAN supports AnyConnect Smarter Camera Platform's novel way to deploy deep learning-based AI Models to the edge at scale through [AI Containers](#).



Programmable Event Button

On the road, everything is happening very quickly. What happens when your drivers see something important or need help? Because using a smartphone while driving is dangerous and illegal in many jurisdictions around the world, AnyConnect's Smarter AI™ Dashcam Fleet CAN has a single, large, easy to reach, and visible, programmable button paired with an LED. Buy pairing the button press event with audio feedback, through the dashcam's loudspeaker; you can create simple and intuitive actions for your drivers. For instance, when the programmable event button is pressed, it triggers a pre/post-recording and plays an audio message, stating that "the footage has been recorded and that a second press within X seconds will establish a bi-directional call to the operations center".

Datasheets



Smarter AI™ Dashcam Fleet CAN – A4



Smarter AI™ Dashcam Fleet CAN – Letter

Talk to our AI-driven & Connected Video Telematics Experts.

Talk to an expert