



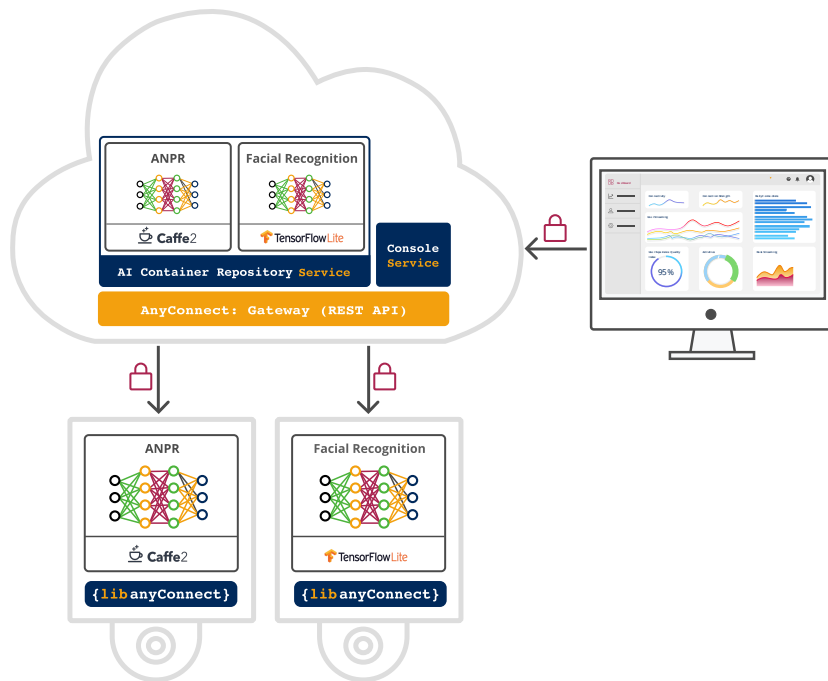
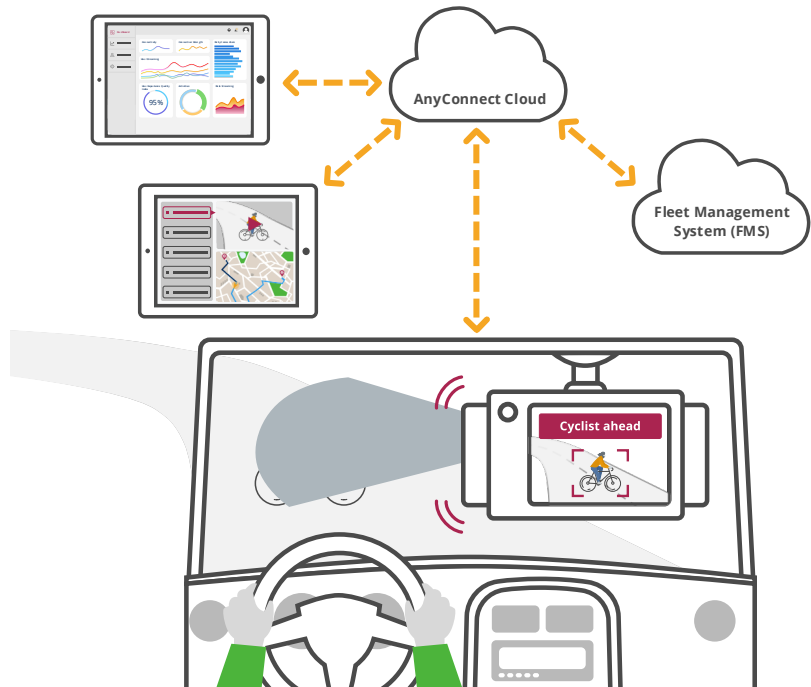
Smarter AI™ Dashcam

AI-driven video telematics for smarter fleets with ECU Interface, driver authentication & training as well as ADAS & up to 3 cameras.

Version 2.0 | September 2020

AI is Transforming Video Telematics for Fleets

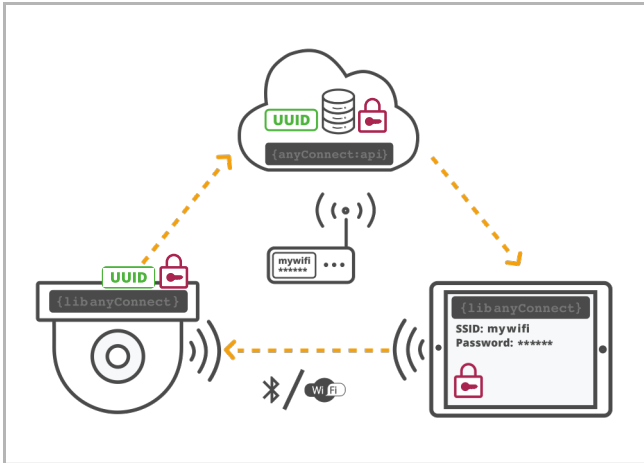
AI is transforming Dashcams, using neural networks to classify and identify visual objects. The AnyConnect Smarter Camera™ Platform combines AI with secured connectivity over Wi-Fi, 4G, and 5G networks to enable AI camera networks with DNA - Decisions, Notifications, and Actions.



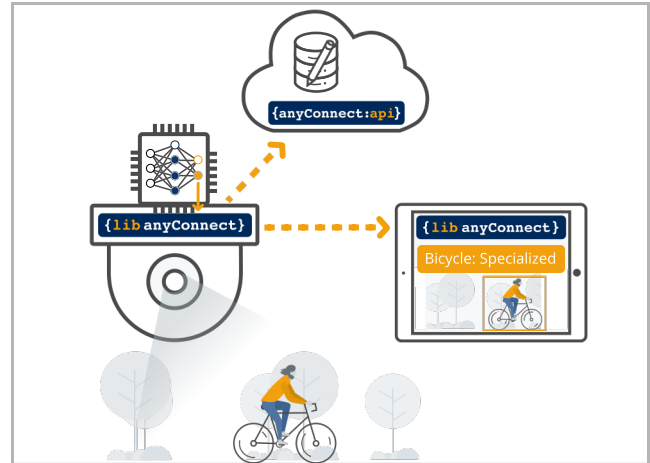
The Smarter Camera Platform features AI Containers™ for OTA programming of neural network models to support markets and use cases including security, transportation, retail, and more.

Smarter AI™ Dashcam Features

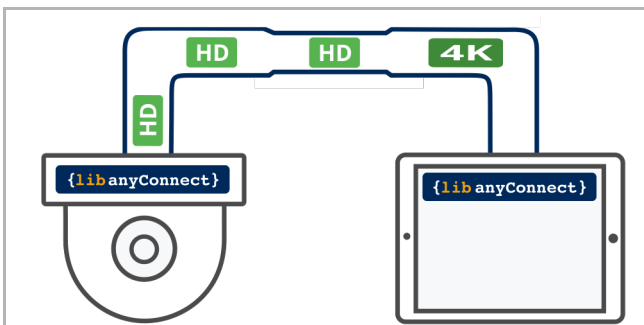
AnyConnect is a software platform for smart cameras such as dashcams, video telematics and connected vehicles. Our platform enables deep learning, computer vision, and sensor fusion, in a secure manner over wireless networks. AnyConnect's APIs enable access control, streaming, computer vision, and other smart video features, powered by our patented STUN, TURN, and ICE technologies.



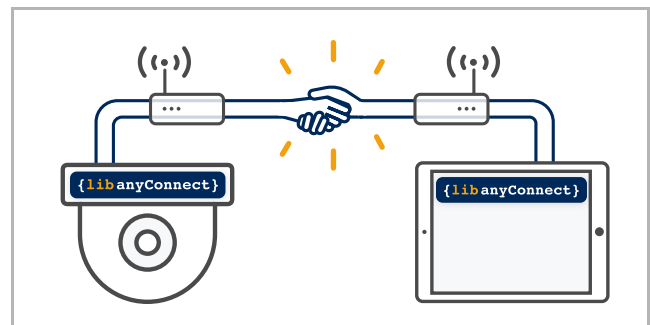
Onboarding - Connect embedded devices to the internet with ease for any interfaces. Create the trust network and register a device to a specific account. Works for mass and zero-touch onboarding as well.



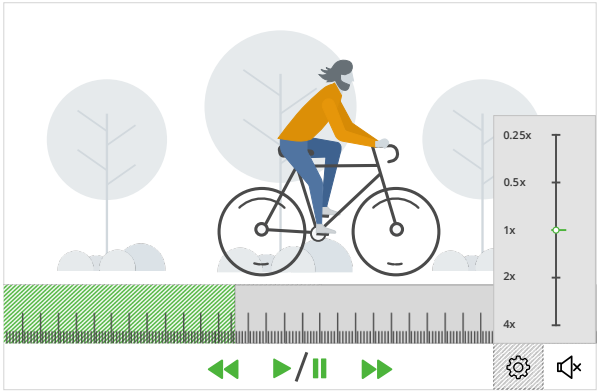
Deploy Edge AI, at scale, seamlessly - Deploy **AI Containers™** securely. Manage & monitor AI models on millions of cameras with multiple types of edge Inference Accelerators



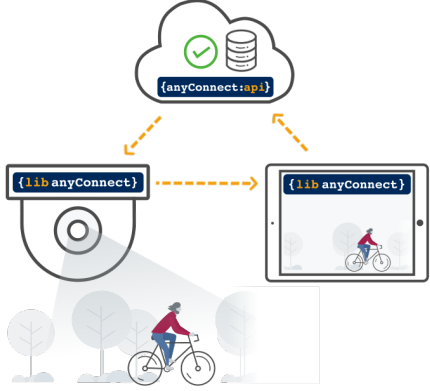
The Best Video over Wi-Fi, LTE & 5G - AnyConnect's adaptive bitrate streaming monitors the network's bandwidth, jitter, packet loss as well as devices CPU capacity to deliver the best possible video quality.




Instant Connections - With patented **STUN TURN ICE** technologies for NAT traversal, AnyConnect connects any camera and mobile device, on any fixed or mobile network, across any NAT or firewall.



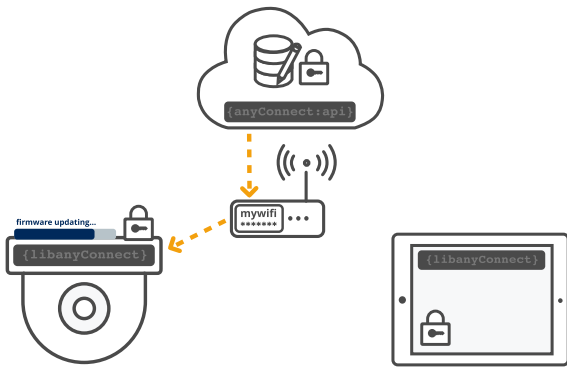
Recording & Playback - AnyConnect combines continuous and event recording for video, audio, and data. AnyConnect delivers the best possible video quality, regardless of network interruptions.



Access Control - Grants access to only the right users over public networks (Wi-Fi, LTE, 5G, etc.) with different access levels. AnyConnect Access Control is secure and enables you to be privacy-compliant.



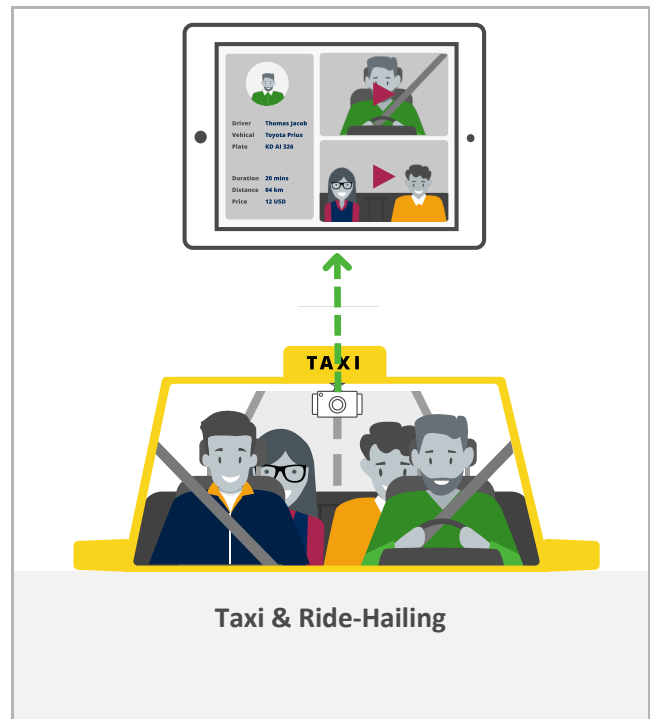
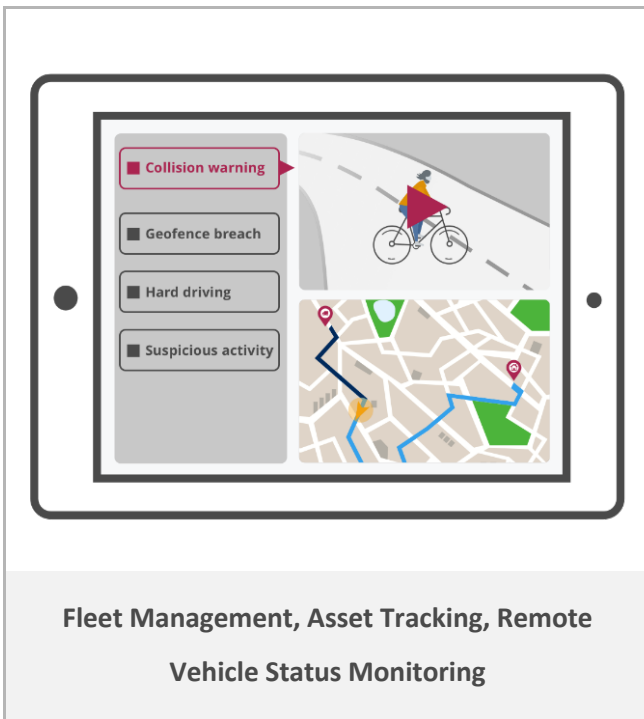
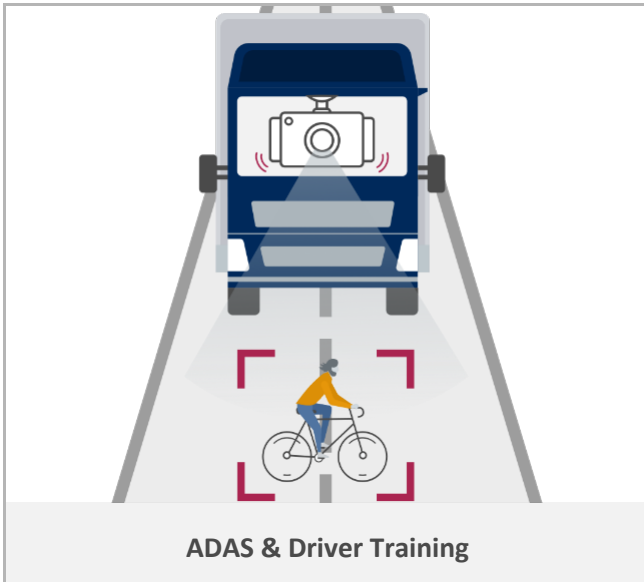
Console - Cloud-based tool for managing your connected camera networks. Console provides a real-time view of KPIs and CDRs, including camera activity, health, and much more.

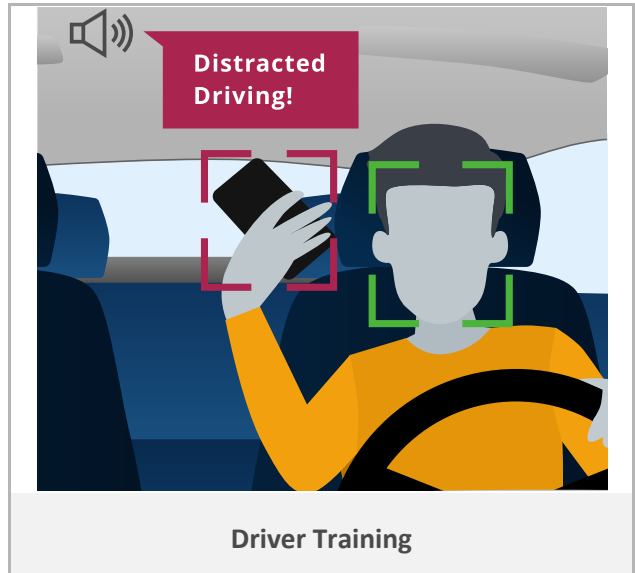
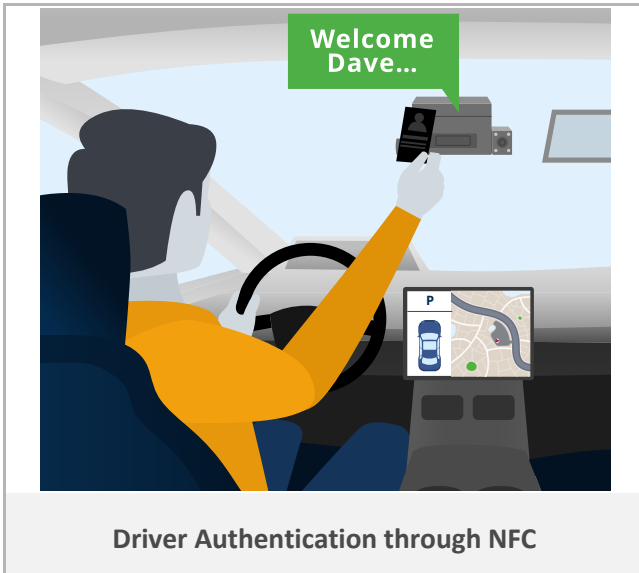


Over-the-Air (OTA) Programming - Deploy securely, over Wi-Fi, 4G, 5G & Ethernet: device applications, access control rights, configuration, OS & firmware updates, and AI Containers™.

Use Cases

The Smarter AI Dashcam supports a wide range of applications:





Technical Specifications

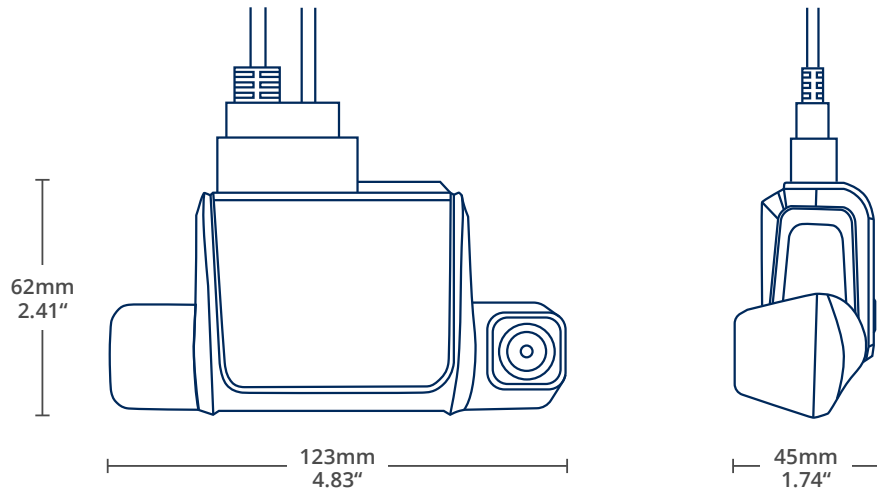
Smarter AI™ Dashcam		
Video Codecs	h.264, h.265 (upcoming)	
Cameras	2 inbuilt, 1 detached (optional)	
	Forward Facing	1080p30, Horizontal Field of View (FOV) 116°
	In Cabin	1080p30, Horizontal FOV 116°
		IR Illumination 940nm
Detached	1080p30, Horizontal FOV 116°	
Cellular	LTE Cat.6 (3G/2G Fallback, Region dependant)	
	Europe & ANZ Version	LTE FDD Band 1/2/3/4/5/7/8/20/28
		LTE TDD Band 38/39/40/41
		WCDMA Band 1/2/4/5/8
		GSM 850/900/1800/1900MHz
	North America Version	LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71
		LTE TDD Band 41
		WCDMA Band 2/4/5
SIM Card	SIM 1	NanoSIM
		Not accessible by the driver
	SIM 2	eSIM. Upon request. Factory provisioning
Wi-Fi	Wi-Fi 5 (802.3ac)	

Bluetooth	Bluetooth 4.2 with BLE	
Power Inputs	9 to 32 VDC	
Power Management	Ignition Sensor	
	10F Supercapacitor (18 seconds of power)	
Power Consumption	Nominal	5 Watts
	Parking Mode	50 milliwatts
		Impact detection
		Network connection
Boot Up Time	Cold boot: 45s; Resume from parking mode and start recording: 2s	
Compute	CPU	8 cores
	AI Accelerator	Yes
	GPU	Yes
	Crypto Core	Yes
Positioning	GNSS: GPS, AGPS, GLONASS, QZSS, BeiDou	
	Automotive Dead Reckoning (ADR)	
Memory Card	Yes, micro SDXC up to 256GB. Not accessible by the driver	
Sensors	3-axis G-sensor	
	Gyroscope	
	Thermometer	
Imager adjustment	Up & Down	
Mounting system	Industrial grade adhesive	

Buttons	Driver accessible programmable emergency button	
	No other driver accessible buttons (on/off/reset, etc.)	
LED Indicators	Recording, Wi-Fi/LTE active	
Driver Identification	NFC: MiFare, FeliCA	
	RFID (HF): ISO14443A&B, ISO15693	
Microphone	Yes, with noise cancelation	
Loudspeaker	Yes	
Vehicle Interface	OBD-II: SAE J1962 & J1939 CAN protocols (High/ Low)	
	Following FMS–Standard for trucks, buses, and coaches	
	4 GPIOs: 1 out/ 3 in (pulling mode) & (upon request)	
	RS 232 Tx/Rx	
IP Rating	IP41	
Dimensions	123 x 62 x 45mm (4.83 x 2.41 x 1.74")	
Weight	158g (5.6oz)	
Temperature Rating	Operating	-20°C to +60°C (-4°F to 140°F)
	Storage	-30°C to +85°C (-22°F to 185°F)
Standards	CE/CB, FCC/IC, RCB, BQB, ROHS, WEEE	

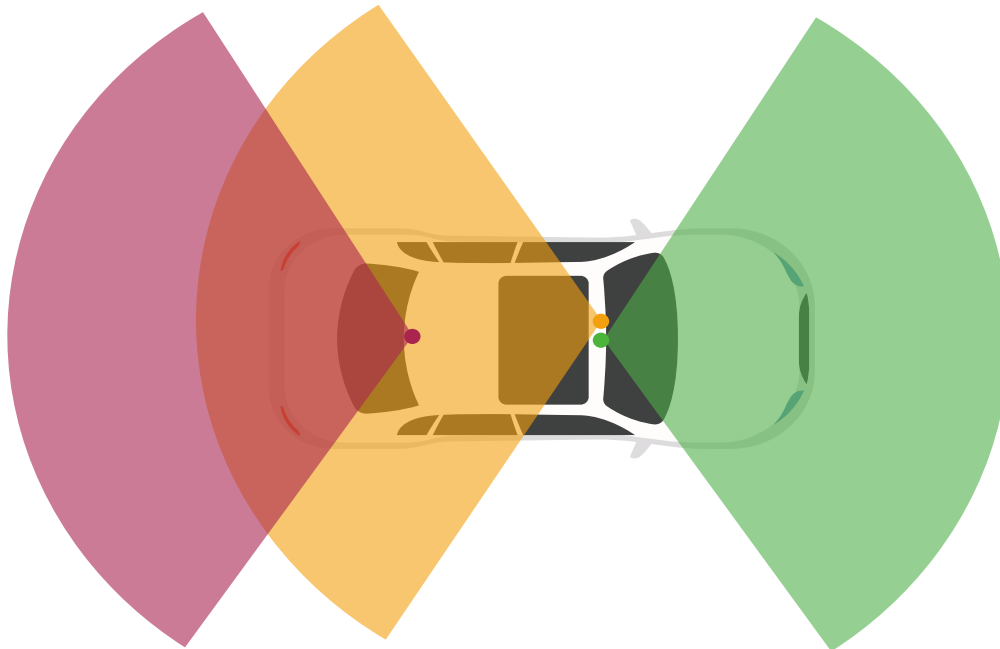
Mechanical and Installation Specifications

Dimensions



Field of View

Detached:	Horizontal FOV 116°	In Cabin:	Horizontal FOV 116° (IR Illumination 940nm)	Forward Facing:	Horizontal FOV 116°
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Ordering Information

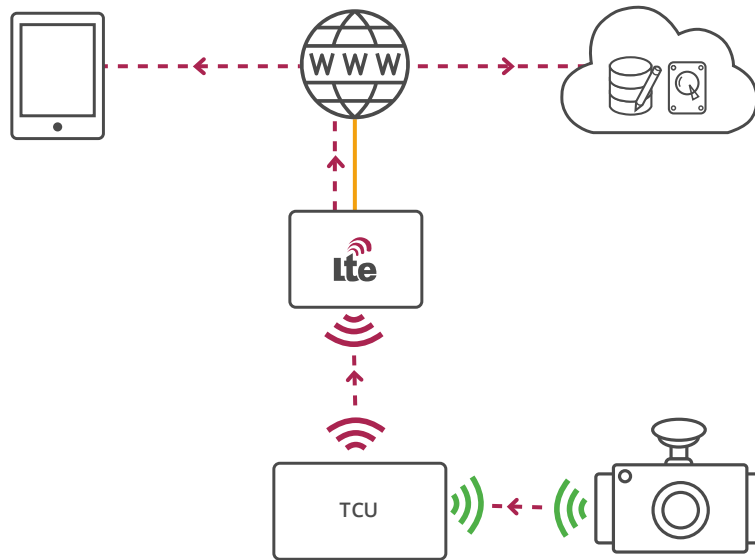
Product Description	SKU
Smarter AI Dashcam – North America Version	AC-AIDC-NA
Smarter AI Dashcam – Europe & ANZ Version	AC-AIDC-EM
Smarter AI Dashcam – Detached Imager Kit	AC-AIDC-DI-KIT
Smarter AI Dashcam – Basic Cable Kit	AC-AIDC-BC-KIT
Smarter AI Dashcam – ECU Cable Kit	AC-AIDC-EC-KIT
Smarter AI Dashcam – Cable Cap	AC-AIDC-CC-KIT
Smarter AI Dashcam – MicroSD Card 16GB*	AC-AIDC-SD16-KIT
Smarter AI Dashcam – MicroSD Card 32GB*	AC-AIDC-SD32-KIT
Smarter AI Dashcam – MicroSD Card 64GB*	AC-AIDC-SD64-KIT
Smarter AI Dashcam – MicroSD Card 128GB*	AC-AIDC-SD128-KIT
Event Recording (HD, 30 days retention)	
Subscription – Monthly	AC-AIDC-EVNT-HD-MNTH
Subscription – Annual	AC-AIDC-EVNT-HD-1YR
Subscription – 3 Years	AC-AIDC-EVNT-HD-3YRS

* Upon request, Minimum of Quantity (MoQ) required

Deployment Options

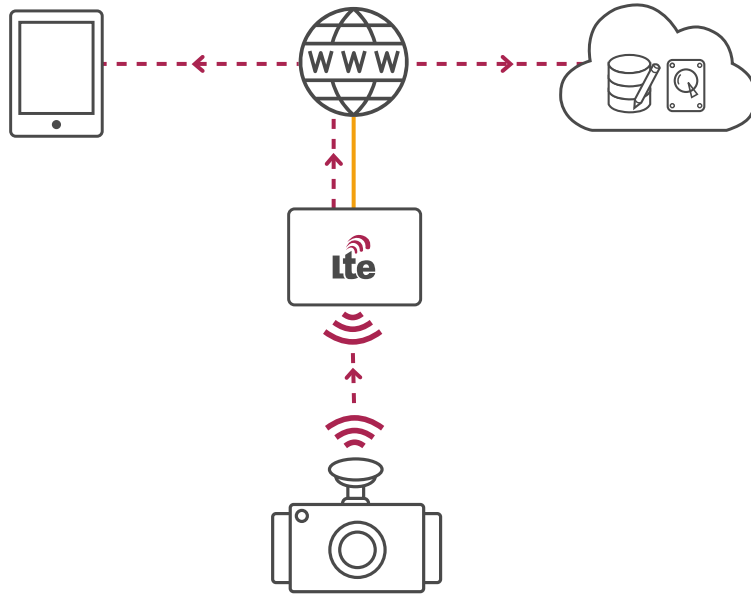
The Smarter AI Dashcam supports LTE/4G and Wi-Fi connections:

Wi-Fi



The vehicle has a TCU with LTE/4G connection.
The Smarter AI Dashcam connects to the TCU via Wi-Fi.
The TCU shares its internet connection with the Smarter AI Dashcam.

LTE/4G



The Smarter AI Dashcam connects to the Internet by LTE/4G.

About AnyConnect

AI is transforming Dashcams, using neural networks to classify and identify visual objects. The AnyConnect Smarter Camera™ Platform combines AI with secured connectivity over Wi-Fi, 4G/LTE, and 5G networks to enable AI cameras, gateways, and networks with DNA - Decisions, Notifications, and Actions.

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The Fine Print

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