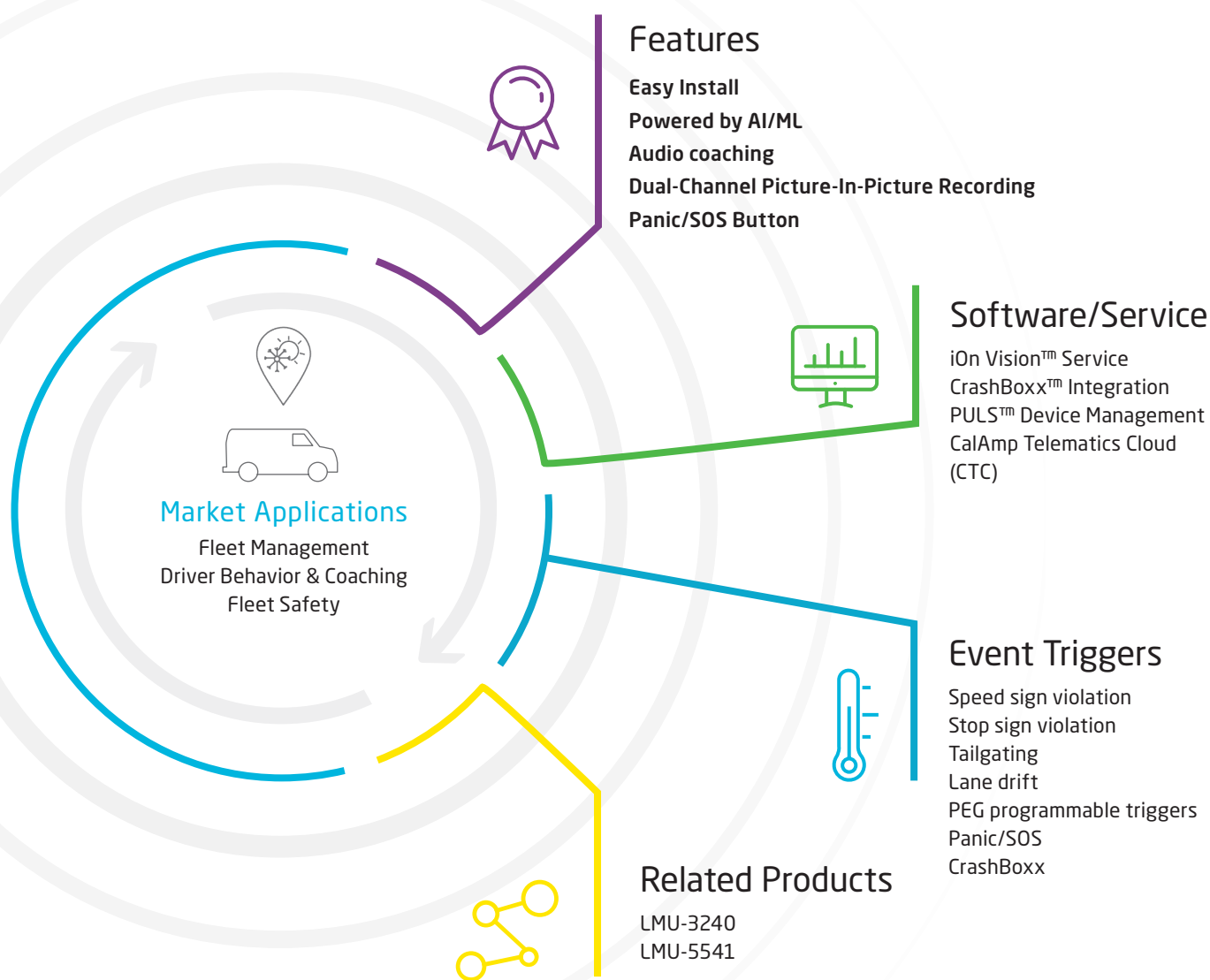# iOn™ Vision
Smart Camera Unit | SCU-120

Dual-Channel Smart Camera Solution for Fleet Safety

The SCU-120 camera solution enables actionable video intelligence with a built in AI/ML engine that analyzes road facing video to identify & alert for critical driving events. SCU-120 pairs with a companion Wi-Fi enabled Edge Device to enable a fully integrated video telematics solution.

Features
Easy Install
Powered by AI/ML
Audio coaching
Dual-Channel Picture-In-Picture Recording
Panic/SOS Button

Software/Service
iOn Vision™ Service
CrashBoxx™ Integration
PULS™ Device Management
CalAmp Telematics Cloud
(CTC)

Market Applications
Fleet Management
Driver Behavior & Coaching
Fleet Safety

Event Triggers
Speed sign violation
Stop sign violation
Tailgating
Lane drift
PEG programmable triggers
Panic/SOS
CrashBoxx

Related Products
LMU-3240
LMU-5541

iOn Vision™ SCU-120 Technical Specifications

Communication

Bluetooth	BT 4.0
Wi-Fi	802.11 b/g/n

Comprehensive Hardware

CPU	Quad-Core, ARM Cortex AS3 1.4GHz
Operating System	Android 8.1 GO
GPS Module	GPS+BDS Built -in Ceramic Antenna
SSD Card	Locked-Access, Expandable to 128GB
Flash Memory	LPDDR3 1GB and eMMC 16GB
G-Sensor	6-axis, Accelerometer and Gyroscope
Status LEDs	3 (Power, GPS, Reserved)
Integrated Speaker	Audible Driver Coaching
Road-facing camera	Built-in, AHD, 1080P. dynamic frame rate,140° viewing angle
Driver-facing camera	Record in the cab. AHD, 720P, dynamic frame rate

Embedded Intelligence Engine[1]

PEG™	Programmable video event triggers through PEG engine on companion Edge Device

Certifications

Industry Certifications	FCC, CE

SKUS

SCU120	iOn Vision Telematics Camera Solution

Environmental

Temperature	-32° to +70° C (connected to primary power)
	-40° to +85° C (long term storage)
Shock and Vibration	Resistant
Humidity	95% RH @ 50° C non-condensing

Electrical

Operating Voltage	12/24 VDC Vehicle Systems
	9-36 VDC (supply voltage)
Power Consumption	18-25 mA Nominal (BLE + WiFi on)

Physical/Design

Dimensions	4.3" x 2.7" x 2.0" (109 x 69 x 52 mm)
Ingress Protection	233g (8.22oz)

Product Options

CalAmp iOn Application
API Platform Support

[1] Enabled with Compatible Device