

CAMERA

SureCam In-Vehicle Dual Camera System



Teletrac Navman's SureCam dual camera connected vehicle solution is a high-quality forward and driver facing system that captures footage alongside telematics data to provide a more complete view of events and incidents that occur on the road.

The dual camera system allows for continuous recording of the road ahead and the driver in the cabin, which is then automatically communicated to the fleet management system when an incident is triggered and footage is available to view alongside the event information.

The solution gives even greater understanding of exactly what happened in a collision, near miss or harsh driving event, as well as providing a means to prevent fraudulent claims and protect the driver and the business.

As a result, any type or size of fleet operation can benefit from a well rounded camera solution that provides the ability to enhance driver behaviour monitoring, in order to improve on-road habits and reduce poor behaviours before they become trends.

FEATURES AND BENEFITS

- High quality video feed footage, no matter the time of day, in any weather conditions - built-in microphones provide audio alongside footage
- Continuously records onto the device's SD card and transmits to secure server without manual intervention
- Ability to augment footage with speed, GPS position and acceleration data
- Remote Vehicle Camera Management – over the air health and status check
- System continues to transmit footage even when the ignition is off
- Enables driver triggered alerts and video upload
- Protect the business against fraudulent claims like cash for crash, staged incident and false whiplash injuries and dramatically reduce the financial impact of motor insurance claims
- Mitigate operational risk by identifying poor driving styles and improve driver behaviour through targeted coaching and engagement
- Increase focus on safety culture and boost road safety and ultimately save lives
- Enhance duty of care and increase brand protection

DIRECTOR vs NEXTGEN

Comparison Guide

Feature	DIRECTOR	NextGen
Camera Alert	✓	✓
Native SMS Alert	✗	✓
On-screen Alert	✓	✓
Email Alert	✓	✓
Dedicated Camera Event Report	✗	✓
Available Report Options	✓	✓
Camera Event View	✓	✓
View Events from Replay Vehicle Activity	✓	✗
View Events from Activity Pane	✓	✗
View Events from Map Pane	✓	✗
View Events from Report	✗	✓
View Events from Alert	✓	✓
Safety Analytics data - acceleration, etc	✓	✗
HD Data comparison	✓	✓
Non-event based footage request	✗	✓
Camera button event ¹	✓	✓
External dash button event	✗	✓
Harsh usage event	✓	✓
Configurable Safety Thresholds (M/S ²)	✓	✓
User configurable Safety Thresholds (M/S ²)	✓	✗
Permission based access	✓	✓
Camera Snapshot Dashboard	✗	✓

¹ In DIRECTOR only the button on the camera generates events. In NextGen an external button such as a dash mounted button can also generate events.

TECHNICAL SPECIFICATIONS

CAMERA

Quantity	1 Integrated/ 1 External
Resolution	*2 1280p * 720p
Frame Rate	*1 25fps / 2* 12fps
Sensitivity	0.05Lux
Interface	Serial Digital Coaxial Interface Including Power
Dynamic	115dB
Angle of Aperture	110°
Infa-Red	Side/Internal Camera Only
Audio	Configurable

VIDEO RECORDING

Storage	SDHC/SDXC
File Format	FAT32
Storage Card	Micro SD Card (up to 64GB)
Dual Streaming	Continuously and Event Driven
Event Trigger	Internal G-Force-Sensor or External Trigger Inputs
Length	Configurable up to 30s pre- and 120s Post Event
Transmission	3G/4G Upload to Server
High Event Video Handling / Video High Events	Stored to Internal Memory or to SD-Card. Automatic Upload to Server
Low & Medium Event Video Handling / Video Low & Medium Events	Stored to SD-card Upload to Server Manually
Security During Video Transmission	TLS-Encryption During Data Transmission
Data Access Method	Via Web-Interface or API to VTS-server

G-FORCE SENSOR

Axis	3
Accident Level	Adjustable 1g – 2g
Trigger Level	3 Levels (Low, Medium, High)
Calibration	Auto Adjustment after Installation
Configuration	Remotely Over the Air

GNSS

System	GPS/GLONASS
Max. Number of Satellites	90
Update Rate	10 Hz
Tracking Intervall	1s - 300s
Antenna Connector	internal

MODEM

Versions	UMTS/CDMA
Max. Number of Satellites	UMTS 5.2MBit, CDMA 1.8MBit

BATTERY & POWER CONSUMPTION @ 12V

Capacity	480mA
Voltage	Up to 3.7V
Operation Time Fully Charged	12min during transmission, Standby 7 days
Standby	170uA
Recording	250mA
Video Upload	650mA

DATA

Dimensions without Mount	105mm * 45mm *40mm
Weight	140g
Input Voltage	7V-32V
Passive Cooling	Heat Spreader Cooling Plate, 25 Fins
Approvals	RTTE Directive 1999/5/EC, ECE R10 (Rev 4) (E1)

CONNECTOR

Type	Molex 6-pin MicroFit
Input	1 Digital Input up to 32V
Output	1 Open Collector, up to 30V, 100mA
RX/TX	Configuration-Interface
Power	Ignition +Vcc/GND