

CT-4100

PRODUCT GUIDE

Forward-Facing Dashcam Tracker

SolarTrak's CT-4100 telematics camera is an affordable, flexible solution for smarter fleet management. The CT-4100 Dashcam Tracker features an AI-powered, cloudbased system that provides forward visibility and ADAS (Advanced Driver Assistance Systems) safety alerts to help drivers avoid collisions. The camera also supports a snap-on driver-facing camera that can be added at any time to enable Driver State Monitoring (DSM) features.

Complete the quick and easy configuration of the CT-4100 via SolarTrak, part of SolarTech's WebSuite, a web-based application, providing users a one-stop solution to build, manage, and control their traffic safety equipment from any device with a web browser. Vehicle configuration for camera mounting height, horizon detection, and hood levels are now automatic! Just select the type of vehicle (car, pickup, dump truck, etc.) and the camera will auto-configure.

The CT-4100 is available for use in the US and Canada.



Stay up to date with alerts and notifications for:

Standard Monitoring:

- ▶ Current position
- ▶ Engine start and stop
- ▶ Movement start and stop
- ▶ Geofence entry and exit
- ▶ Maintenance overdue
- ▶ Excess vehicle speed

Vehicle Behavior Monitoring

- ▶ Pedestrian Collision Warning
- ▶ Tailgating
- ▶ Forward Collision Warning
- ▶ Lane Departure Warning

*Requires optional driver-facing camera

Driver State Monitoring*

- ▶ Distracted Driving
- ▶ Driver Fatigue
- ▶ Phone at Ear Detection

AI POWERED FEATURES



Real-time cabin alerts for safer driving



Intuitive, easy-to-use installation and setup



Cutting-edge intelligence and AI features



Live video feed when vehicle is on and camera is active*



2-Year Warranty

Accessories

Driver-Facing Camera

A modular camera to monitor in-cabin behavior. Optional, sold separately. Necessary for driver state monitoring.

OBD-II-Data Cable

This provides power and vehicle speed information to the unit which can improve Forward Collision warnings.

OBD-II-Power Cable

This provides power, but no additional information.

12V Auxiliary (Cigarette Lighter) Power Cable

This provides power, but no additional information.

Learn more at www.solar-trak.com

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Forward-Facing Dashcam Tracker

SPECIFICATIONS



Mechanical

| | |
|----------------------------|--|
| Size | 82 mm W x 126 mm H x 64 mm D 3.2" W x 5.0" H x 2.5" D |
| Weight | 8.2 oz (Including 2nd Camera, Excluding Power Cable) |
| Image Sensor | 2 Megapixel CMOS Sensor |
| Angle of View | Road-Facing Camera (Forward-Facing): 140° (115°(H), 60°(V)) 2nd Camera (Optional, Driver-Facing): 130° (104°(H) x 56°(V)) |

Electrical

| | |
|-------------------------------------|---|
| Power Input | DC 12V/24V, 1.5A |
| Power Consumption | 4W (6W with ADAS and DSM Enabled) |
| Delayed Power Shutdown | Supports Delayed Power Shutdown and Automated Wake-Up Feature (Selectable Intervals) |
| Supercapacitor | Enables Recording of Last File and Safe Shutdown |
| Processor | MSM8953, Octa-Core ARM Cortex-A53 |
| Video Resolution | Main Camera: 1080p (1920x1080), 720p (1280x720) 2nd Camera: 1080p (1920x1080), 720p (1280x720) |
| Recording Mode | Continuous, Event, Dual Mode |
| Memory | 16GB eMMC+2GB LPDDR3, 64GB MicroSD Card Included. Supports up to 256GB (FAT32) |
| LED | 3 (Red, Blue, Green LED) |

Environmental

| | |
|--------------------------------------|--------------------------|
| Operational Temperature | -10°C~+55°C (14°F~131°F) |
| Storage Temperature | -20°C~+70°C (-4°F~158°F) |

Communications

| | |
|-------------------------------|---|
| Connectivity | 4G/LTE (CAT 6) |
| Wireless | LTE CAT6: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B66/B71 Bluetooth: 4.2 BLE |
| Speaker | Audible Alerts for Events and Audio for ADAS and DSM. Natural Language or Beep Sounds (Selectable) |
| Audio | Internal Microphone |
| ADAS Event Types | Headway Monitoring Warning (Tailgating) Forward Collision Warning Lane Departure Warning |
| DSM Event Type | Fatigue Distraction |

Positioning

| | |
|-----------------------|--|
| GNSS | GPS/GLONASS |
| G-Sensor | Internal 3-Axis G-Sensor |
| Gyro | 3 Axis (X,Y,Z), Output Rate: 100 Hz |
| Time | GPS Time Sync + Built-In Real-Time Clock (RTC) |

Compliance

| | |
|---------------------------------------|--|
| Certification/Regulatory | FCC, AT&T, Verizon, CE, E-Mark, UKCA, IC, PTCRB, RCM, FirstNet, RoHS |
| Warranty | 2-Year Standard |



Learn more at www.solar-trak.com