

# 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.

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

- ▶ 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](http://www.solar-trak.com)

# CT-4100

## SPECIFICATIONS

### Forward-Facing Dashcam Tracker



#### Mechanical

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

#### Electrical

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

#### Environmental

<b>Operational Temperature</b> .....	-10°C~+55°C (14°F~131°F)
<b>Storage Temperature</b> .....	-20°C~+70°C (-4°F~158°F)

#### Communications

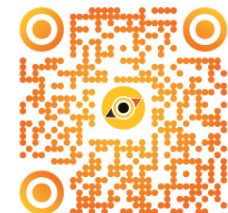
<b>Connectivity</b> .....	4G/LTE (CAT 6)
<b>Wireless</b> .....	LTE CAT6: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B66/B71 Bluetooth: 4.2 BLE
<b>Speaker</b> .....	Audible Alerts for Events and Audio for ADAS and DSM. Natural Language or Beep Sounds (Selectable)
<b>Audio</b> .....	Internal Microphone
<b>ADAS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

#### Positioning

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

#### Compliance

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



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