

# CT-4100 SERIES

## PRODUCT GUIDE

### Dashcam Trackers

Affordable, Flexible, Smarter Fleet Management

SolarTrak's CT-4100 Series advanced telematics dashcam trackers are designed to provide fleet managers greater visibility and control while improving driver safety. Built on an AI-powered, cloud-based platform, these dashcam trackers deliver forward visibility, real-time insights, and ADAS (Advanced Driver Assistance Systems) safety alerts to help drivers avoid collisions.

The CT-4100 Series dashcam trackers are available in two configurations. The CT-4100-1 offers a front-facing camera, along with all the standard and vehicle behavior monitoring features. The CT-4100-2 provides additional monitoring capabilities with a second driver-facing camera, enabling Driver State Monitoring (DSM) features for enhanced driver awareness. The driver-facing camera is an option that can be added on to the CT-4100-1 at any time.

Set up is quick and easy. Your trackers can be configured seamlessly through SolarTrak, part of SolarTech's **WebSuite**, a web-based application that provides a one-stop solution to build, manage, and control traffic safety equipment from any device with a web browser. The CT-4100 Series dashcam trackers automatically adjust for camera mounting height, horizon detection, and hood levels. Simply select the vehicle type (car, pickup, dump truck, etc.), and the system self-configures.

The CT-4100 Series is available for fleet monitoring in the United States and Canada.



**Dual-Camera Tracker - CT-4100-2**

### 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

\*Available on the CT-4100-2

#### 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

Learn more at [www.solar-trak.com](http://www.solar-trak.com)

# CT-4100

## Dashcam Tracker

### 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))  
Driver-Facing (2nd Camera): 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  
Pedestrian Collision Warning
- DSM Event Type** ..... Driver Fatigue  
Distracted Driving  
Phone-at-ear Detection

### 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

## SPECIFICATIONS



### LED Indicators

- Network LED (Green)
- Record LED (Blue)
- Warning LED (Red)

### Buttons

**Panic(Red):** Press when an "incident" has occurred. This will retrieve the video before the time the button was pressed.



SCAN FOR INFO

Learn more at [www.solar-trak.com](http://www.solar-trak.com)