

CT-4100

PRODUCT GUIDE

Forward-Facing Dashcam Tracker

SolarTrak’s CT-4100 telematics camera is an affordable, flexible, plug and play solution for smarter fleet management. Integrating directly into SolarTechnology, Inc.’s Web Suite ecosystem (SolarTrak, Command Center, and SmartZone), you are able to control and monitor your CT-4100 from practically anywhere.

The CT-4100 video telematics solution also 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.



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

AI POWERED FEATURES

Realtime cabin alerts for safer driving

Cutting-edge intelligence and AI features

Intuitive, easy-to-use installation and setup

Live video feed when vehicle is on and camera is active

1-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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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	1-Year Standard



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