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-4100-01 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.

Dual-Camera Tracker - CT-4100-2

The **CT-4100 Series** is available for fleet monitoring in the United States 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

*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

📖 Intuititive, 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

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CT-4100

Forward-Facing 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))
	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
	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

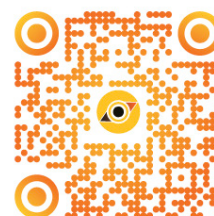Panic Button

Forward-Facing Camera

Driver-Facing Camera

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.

Panic Button

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In compliance with Telematics Data Standards

MADE IN THE USA