



SmartWitness DDC-200



Installation Guide

v.1.0

WARNING: SmartWitness installations should be performed by a qualified individual or installation professional only. Working with a vehicle's power system can be dangerous to both you and your vehicle. This installation is intended only to be a guide since vehicle designs and power/input sources can vary significantly from vehicle to vehicle.

If you need to schedule a professional installation service in the USA for your SmartWitness device(s), please visit smartwitness.com/request-install and submit the online form.



1. Overview:

The SmartWitness DDC-200 is the world's most advanced fatigue detection and driver distraction alert camera. The detection is focused on harmful face, eyes, mouth and head movement. The DDC-200 allows for day and night detection, with the use of infrared and a customized alarm and alerting system.

Fatigue Detection: Drowsiness, micro-sleep, or yawning

Distraction Detection: Texting, phone calling, or eating/drinking

➤ Features:

- Dual-lens design: facial recognition lens plus video recording lens
- Recognizes facial patterns and alerts drivers who are fatigued or distracted to help avoid accidents
- 12 Infrared LEDs for Night-time Recording
- Alarm I/O to trigger recording of the Video Lens on the SmartWitness recorder (CP2, CP4, CRX)
- Transmit fatigue and distraction events in real time when connected to SmartWitness recorder
- Simple installation with Smartphone calibration App
- Adjustable sensitivity
- Mount on dashboard or windshield

➤ Package Contents:



DDC200 unit



Mounting Bracket
with 3M pad pre-adhered



Power/GPIO cable



Quick Start Guide



Extra 3M Adhesive



Screws for dashboard
installation (optional)

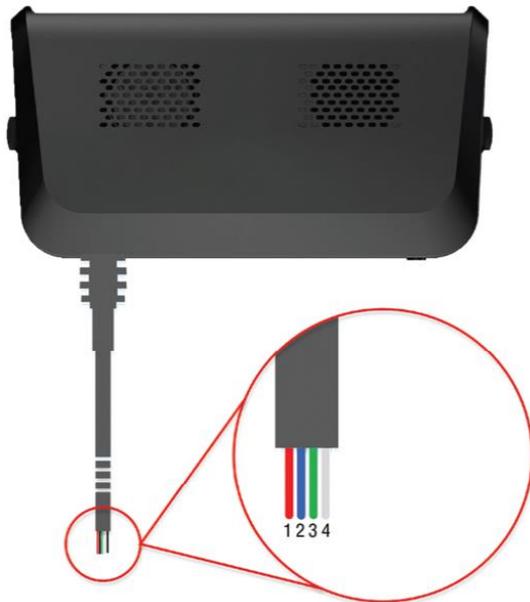
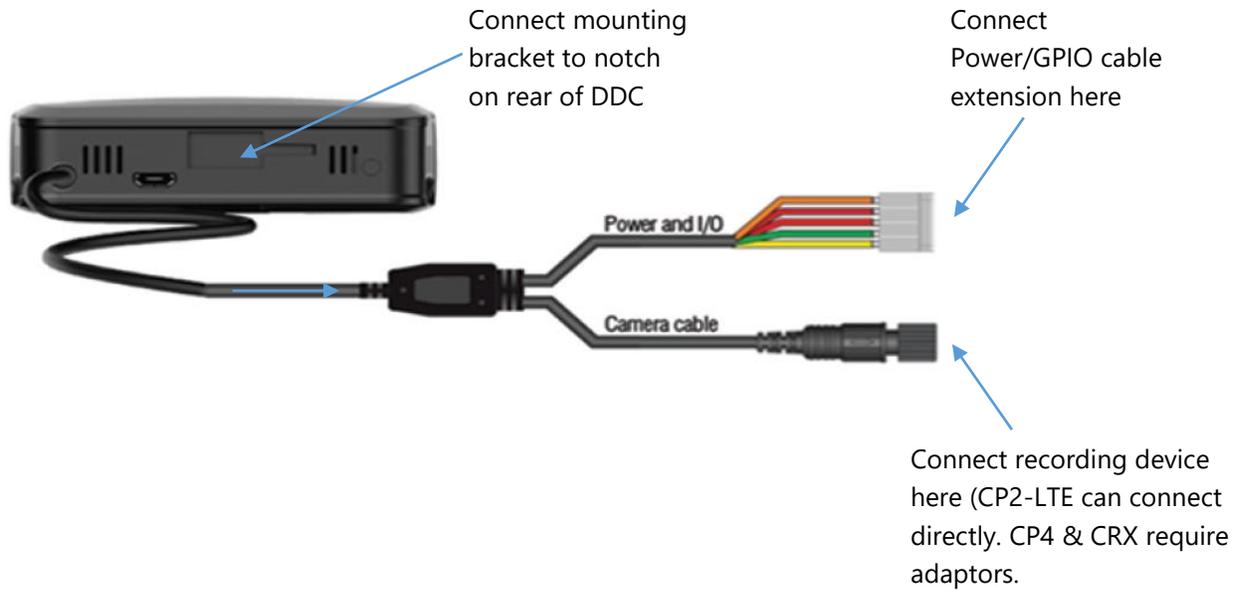
2. Installation Steps:

1. Download the DDC App from [iOS](#) or [Android](#) play store (or you can use search term "SmartWitness DDC").
2. Follow the App instructions for device mounting location and calibration
3. Connect the DDC-200 cables to vehicle power and to the SmartWitness recording device
4. Power up the device and use the DDC app to connect to the DDC200 and calibrate it.
5. Ensure the SmartWitness recorder is receiving the DDC-200 camera image.



If this is a new SmartWitness installation, please complete the installation process at install.smartwitness.com. For installation support please email install@smartwitness.net or call our technical support at (312) 981-8774.

3. Wiring Connection



DDC-200 Wires

- 1) **Red** [Power-> IGN]
- 2) **Blue/Black** [Ground -> BAT (-)]
- 3) **Green** [Fatigue -> 5V Out]
- 4) **White** [Distraction -> 5V Out]

CP4 & CRX:

Connect DDC-200 **green** wire to the CP4/CRX alarm *Input 1* and **white** wire to CP4 alarm *Input 2*.

KPIS & CP2:

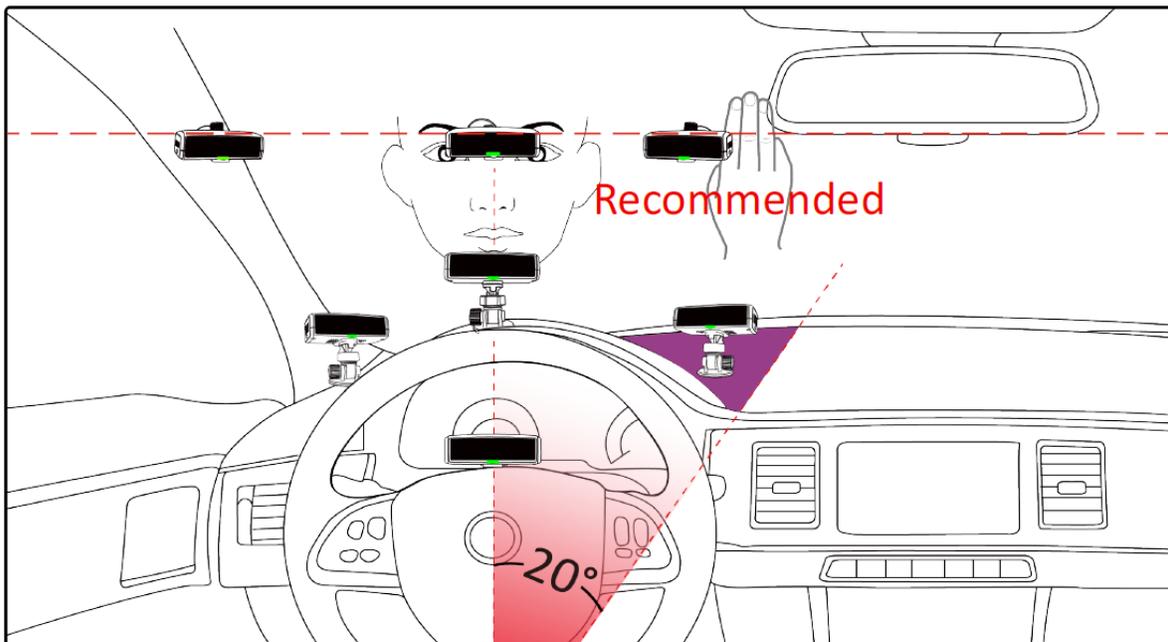
Connect DDC-200 **green** and **white** wires to the KP1S/CP2 alarm *Input 1*.

4. Windshield or Dash installation

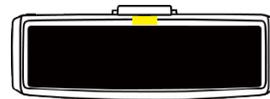
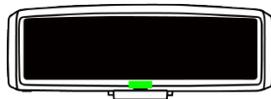
- Attach the mounting bracket to the DDC camera slot until it clicks.



IMPORTANT: Make sure the glass is clean and dry before attaching to the windshield, holding the camera in position for 30 sec. with firm pressure. The glass temperature should not be too cold or hot. Please install the camera in moderate temperature (between 50°F ~ 80°). The distance angle from the driver's face should not exceed 20°



- Make sure the status LED is at the bottom of the DDC200.



For optimal results, please make sure the distance from the Device to the Driver's face is between 70-100cm (28-39in)

For Technical Support, please visit support.smartwitness.com