azūga™

a Bridgestone Company

Gen 2 Dashcam

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User Guide

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Introduction:

Advanced Dash Camera with dual lens (front and rear) can record both road and driver facing with ADAS and AI features can be added with software , In built hardware chipset provisioned for ADAS/DMS features in the dash camera

A car dash cam is mounted on the front windscreen, that is behind the interior rearview mirror. This position gives a clear vision for the camera to capture what's going on ahead. A car recording camera is connected in such a way that it automatically switches on, and starts recording as soon as you switch on the car's ignition. So, you will never miss out a recording while driving your car with a dash cam.

The recorded video files are stored in an SD card, and depending on the size of the card, you need to delete the old files. Dashboard cameras even come with internal storage. But if the dash cam has a loop-recording feature, it automatically deletes the old files and makes storage space for the new files. So, this dash cam is efficient in its operation, and there are no chances of you missing out on any recordings.

Azuga plans on providing a dashcam v2 solution to fleets as part of its safety package. The dashcam is designed to be an in-vehicle incident camera to provide video evidence of risky events. The definition of risky events is derived from Azuga's plug 'n' play device that interfaces with the vehicle's diagnostic port.

What's in the box?

Before you get started with the Gen 2 Dashcam, check for the following items in the box:

Dashcam - 1 pc

Suction Cup Mount - 1 pc

Screwdriver - 1pc

3M Tape Holder - 1 pc

Mirror Mount Holder - 1 pc

User Manual

OBD Power Cable
for Safetycam - 1pc

SD Card - 1pc

Pry Tool

Technical Specifications of Gen 2 Dashcam:

Physical Characteristics

Camera

Cabin camera angle: 130°
Front camera angle: 145°

Electrical Characteristics

Processor

DSP CV25A85 SOC
SENSOR IMX335 500 MP
RGB IR SENSOR OV2736

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Different Components of Product:

- Power/Reset Button
- TF/Micro SD Card slot
- Rear Camera Port (Mini USB)
- Suction Cup/3M Tape/Mirror Mount Slot
- Lens
- Power/Data Port (Micro USB)
- Speaker
- Mic
- Rear Camera

Features:

There are a number of features available with the Gen 2 Dashcam, including:

- Wifi Connection
- Camera Resolution:
    - Front: 1920 x 1080 MP
    - Rear: 1920 x 1080 MP
- DMS functionality
- ADAS Calibration
- Sony sensor Front camera
- RGB IR sensor inner camera
- Up to 145-degree wide angle inner camera
- Up to 120-degree wide angle Front camera
- Built-in G-sensor
- Comes with 128/64 GB SD card
- Azuga cloud servers

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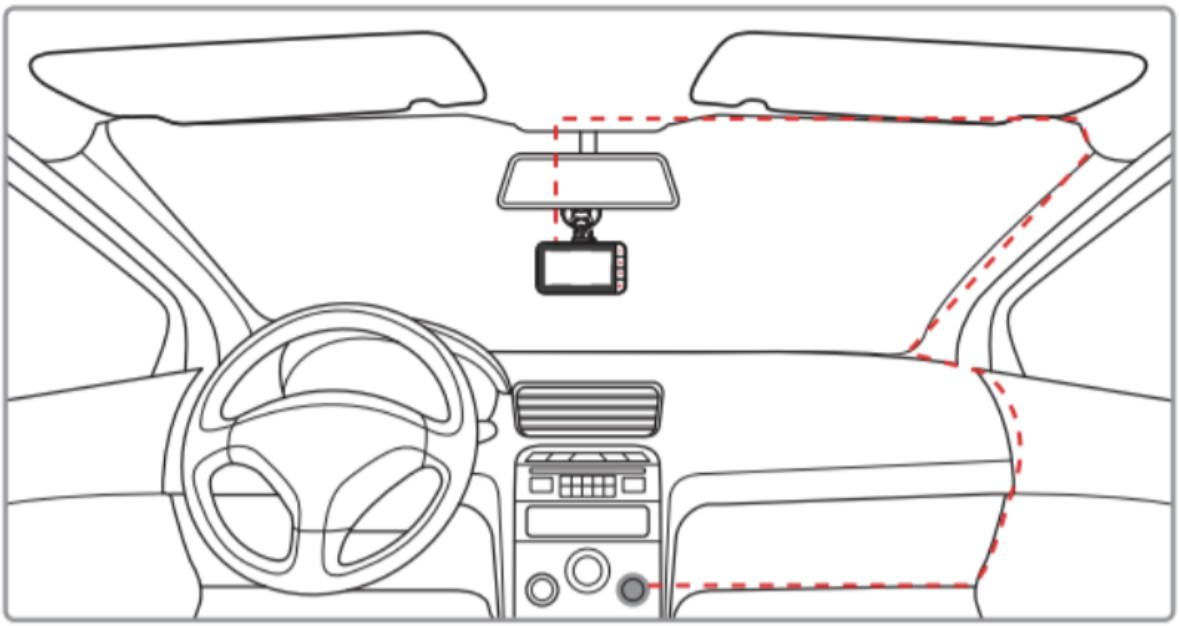
- Audio Recording

Installation Steps:

Follow the below instructions for mounting your Dashcam to the windshield of your vehicle:

Front Camera Installation:

1. Slide the car mount into the slot on top of the device until a click sound is heard.
2. Connect the Dashcam to the car power outlet.
3. Turn on the camera, and whilst looking at the camera, find a suitable location on your windshield to mount the Dashcam.
4. Press the suction-cup firmly against your windshield, and rotate the lever clockwise (12 o'clock) to secure.
5. Use the hand tool provided to tuck the power cable into the headliner.
6. In most cases, the power cable can be tucked behind the rubber trim along the A-pillar and doorframe. Use the hand tool provided or gently tug on the rubber trim to remove it to make room for the power cable. The rubber trim can be replaced after using the hand tool. In rare cases, it may be necessary to remove the A-pillar cover.



7. Trace the cable down the side of the doorframe to the floor of the vehicle. Then lift the carpet in the passenger side foot-well and trace the cable beneath it.
8. Alternatively, route the power cable down the door frame and tuck it behind/below the glove box. Use cable clips if required.
9. Bring the cable out of the center console to the lighter/auxiliary power socket.

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Device Position Adjustment

1. Loosen the nuts to swivel the device vertically. Click into place and secure by tightening the nuts.
2. Swivel the device horizontally for a clear view.

Connecting to Power

1. Use only the supplied car adapter to power the Dashcam and charge the built-in battery.
2. Plug one end of the USB charging cable into the MicroUSB port (7) on the Dashcam.
3. Plug the other end of the cable into your car's USB charger, and insert the charger into your vehicle's cigarette lighter socket. Automatic PowerOnce the vehicle's engine is switched on, the Dashcam automatically powers on.

Button Functionality

Function/Action	Button Engagement	Duration
Manual record video and send to OBD-II	Single press and release	For at least 0.5 second
Soft reset/restart Dashcam	A continuous press for 8 seconds	8 seconds
Hard reset Dashcam to factory settings	A continuous press for 32 seconds	32 seconds

Video Settings

Name	Description	Value
Pre duration of event	Time period before the event occurred	• Default: 8 sec • Range: 1 sec to 30 sec
Dashcam Event Video Length	Duration for which manually triggered event will be captured	• Default: 12 sec • Range: 1 sec to 30 sec

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FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference.
(2)This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note:This equipment has been tested and found to comply with the limits for a class B digital device,pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequence energy and,if not installed and used in accordance with the instructions,may cause harmful interference to radio communications.However,there is no guarantee that interference will not occur in a particular installation.if this equipmemt does cause harmful interference to radio or television reception,which can be determined by turning the equipment off and on,the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an autlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement,This equipment should be installed and operated with a minumum distance of 20 cm between the radiator and your body.