samsara

Dual-Facing AI Dash Cam

OVERVIEW

The Dual-Facing AI Dash Cam is a high-definition, internet-connected dash camera designed to detect risky driving behaviors, exonerate drivers, and reduce incident-related costs. Driver and road-facing videos are uploaded to Samsara's cloud dashboard, which provides visibility into safety events and reports that are the cornerstones of safety programs.

HIGHLIGHTS

- Dual-facing camera with HD resolution

- Real-time AI detections and built-in speaker for in-cab coaching of unsafe driving behaviors

- Automatic uploads of incident footage and driver-initiated video

- On-demand, over the air, video retrieval for event reconstruction

- Cloud dashboard with safety reports, manager-led coaching workflows, device health, uptime reports, and live streaming

- Ability to record up to 12 hours of video after a trip has ended

- Video playback from any internet connected device

- Easy installation: Plug and play in minutes

ADD-ON ACCESSORIES*

- Dual-Facing Lens Cover for covering the driver and road-facing camera lenses

- Driver-Facing Lens Cover for covering the driver-facing camera lens

- Windshield Shim for mounting the dash cam onto the most common angled and split-pane windshields

*Can be purchased through the Samsara Webstore or by contacting your sales rep.

Technical Specifications

FRONT-FACING CAMERA

FIELD OF VIEW	123° front-facing camera
RESOLUTION	High definition (1080p)
FRAME RATE	Up to 30 fps

DRIVER-FACING CAMERA

FIELD OF VIEW	175° inward-facing camera
RESOLUTION	High definition (720p)
FRAME RATE	Up to 30 fps
LOW LIGHT	IR optimized for low-light night time driver-facing video

AUDIO SPEAKER

BUILT-IN SPEAKER	Optional in-cab coaching and feedback
BUILT-IN MICROPHONE	Optional audio capture

STORAGE, CONNECTIVITY, AND COMPUTE

STORAGE	33 to 87 trip hours of high resolution video storage (configurable via cloud dashboard)
CONNECTIVITY	High-speed 4G LTE wireless connectivity via Samsara VG-series gateways. Data secured via SSL (256-bit, military-grade encryption)
EDGE PROCESSING	High capacity ML processor enabling real-time AI detections for driver coaching
AUTOMATIC UPLOAD	Automatically uploads video footage of critical safety events

MOUNTING, ENCLOSURE, AND POWER

DIMENSIONS	Camera only: 101 x 35 x 56 mm (4 x 1.4 x 2.2 in) Camera with mount: 108 x 41 x 61 mm (4.2 x 1.6 x 2.4 in) Cable: 4m (13 ft)
MOUNTING	Mounts to windshield via industrial-grade adhesive tape (included)
POWER	Connects to Samsara VG-series gateway (power + data). No additional power source or wiring required
BATTERY	Internal 1300mAh battery for fallback power when vehicle is off
OPERATING TEMPERATURE	-20° to 65° C