



Front-Facing AI Dash Cam



OVERVIEW

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

HIGHLIGHTS

- Front-facing camera with up to 2K (1440p) resolution
- Real-time AI detections and built-in speaker for in-cab coaching of unsafe driving behaviours
- Automatic uploads of incident footage and driver-initiated video capture
- 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 road-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	129° front-facing camera
RESOLUTION	High definition (1080p), configurable up to 2K (1440p)
FRAME RATE	Up to 30 fps
LOW LIGHT	HDR to optimise for bright and low-light conditions
CAMERA MOUNT	Front-facing camera tilt capability: 75° independent tilt ability for optimal road-facing field of view Position markers that enable repeatable installs at scale

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 to hundreds on hours with extended recording settings)
CONNECTIVITY	High-speed 4G LTE CAT4 wireless connectivity via Samsara Vehicle 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
ON-DEMAND UPLOAD	Stores continuous recordings on camera, available for retrieval via the cloud dashboard

MOUNTING, ENCLOSURE, AND POWER

DIMENSIONS	Camera-only: 104mm x 75mm x 36mm (4.1 x 3.0 x 1.4 in) Camera with Mount: 112mm x 78mm x 36mm (4.4 x 3.1 x 1.3 in) Cable: 4m (13 ft)
MOUNTING	Mounts to windshield via industrial-grade adhesive tape (included)
POWER	Connects to Samsara Vehicle Gateway (power + data). No additional power source or wiring required
OPERATING TEMPERATURE	-40 to 85° C
DASH CAM BUTTON	Driver-initiated button to capture events
LED INDICATOR	Single RGB LED

ADD-ON LICENCE

DASH CAM PLUS	Optional licence doubles existing storage or improves front-facing camera resolution up to 2K (1440p)
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