CM32 Dash Camera

Internet-Connected Dual-Facing
HD Camera Module

OVERVIEW

The CM32 is a high-definition, Internet-connected dash camera designed to prevent accidents, exonerate drivers, and lower fleet costs. Dual-facing cameras simultaneously capture driver- and outward-facing video and automatically upload and analyze footage of accidents, harsh driving, and other events of interest. Samsara's intuitive cloud-based software provides reporting tools that enable fleet operators to implement safety coaching programs, prevent accidents, and lower costs.

HIGHLIGHTS

- HD dual-facing camera with HDR and infrared LED for night recording

- Automatic uploads of incident footage, plus on-demand video retrieval

- Edge processing to enable real-time event and object detection

- Built-in audio speaker for hands-free, voice-based coaching

- Cloud-based dashboard with reports and trend analysis

- Easy to install, no hard-wiring into vehicle required

- Part of Samsara's Connected Operations Platform

SOFTWARE FEATURES

- HD video playback (inward and outward) from any Internet-connected device

- Safety incident reports

- Driver safety rankings with scorecards

- On-demand retrieval (over the air) based on time or location

- Configurable audio coaching plays spoken alerts during unsafe driving behavior (e.g. excessive speeding, unbuckled seatbelts, etc.)

Technical Specifications

FRONT-FACING CAMERA

FIELD OF VIEW	121° (semi-wide angle) front-facing camera
RESOLUTION	High definition (1080p)
FRAME RATE	30 fps
LOW LIGHT	HDR to optimize for bright and low-light conditions

DRIVER-FACING CAMERA

FIELD OF VIEW	177° (wide angle) inward-facing camera
RESOLUTION	High definition (720p)
FRAME RATE	30 fps
LOW LIGHT	Infrared LED optimized for unlit nighttime in-cab video

AUDIO SPEAKER

BUILT-IN SPEAKER	Inward-facing audio speaker for optional voice and tone-based feedback
BUILT-IN MICROPHONE	Inward-facing microphone for optional audio capture

STORAGE, CONNECTIVITY, AND COMPUTE

STORAGE	33 hours of 1080p footage (can be extended by configuring video quality)
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 edge processor to enable concurrent neural networks for real-time artificial intelligence
AUTOMATIC UPLOAD	Automatically uploads video footage of harsh braking, acceleration, turning, and crashes

MOUNTING, ENCLOSURE, AND POWER

DIMENSIONS	Enclosure: 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 via accessory port (power + data). No additional power source or wiring required
BATTERY	Internal 1300mAh battery for fallback power when vehicle is off
OPERATING TEMPERATURE	-20 to 65º C