CM12 Dash Camera Datasheet

Internet-Connected Front-Facing HD Camera Module

The CM12 is a high-definition, Internet-connected dash camera designed to improve fleet safety, exonerate drivers, and lower accident-related costs. A high-definition camera captures outward-facing video and automatically uploads footage of accidents, hard braking, and other events of interest. Samsara's intuitive cloud software provides video-based reports, driver scorecards, and search, enabling fleet operators to implement preventive safety coaching programs, prevent accidents, and lower costs.

HIGHLIGHTS

- High definition outward-facing camera
- Automatic uploads footage of harsh driving events, plus on-demand retrieval
- Audio speaker for voice-based safety coaching
- Cloud-based reporting, accident reconstruction, and driver safety scorecards
- Easy to install, no hard-wiring into vehicle required
- Part of Samsara's complete platform for safety, fleet management, and compliance

Technical Specifications

Front-Facing Camera

Field of view	115° (semi-wide angle) front-facing camera
Resolution	High definition (1080p)
Frame rate	30 fps
Low light	Optimized for low-light performance

Audio Speaker

Built-in speaker	Inward-facing audio speaker for voice-based feedback during unsafe driving

Storage and Connectivity

Automatic upload	Automatically uploads video footage of harsh braking, cornering, acceleration, and crashes
On-demand upload	Stores continues recordings on-camera, available for over-the-air retrieval on demand (stores most recent 24 hrs of driving time)
Connectivity	High-speed 4G LTE wireless connectivity via Samsara VG-series gateways. Data secured via SSL (256-bit, military-grade encryption)

Mounting, Enclosure, and Power

Dimensions	Enclosure: 70 x 63 x 63 mm (2.7 x 2.5 x 2.5 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
Operating temperature	-15 to 60º C

Software Features

Software features	Browser-based video playback in high definition from any Internet-connected device
	Safety incident reports, including accident reconstruction
	Driver safety rankings with score-cards
	On-demand retrieval (over the air) with proximity search
	Configurable audio coaching plays voice messages during unsafe driving (e.g. excessive speeding)

Ordering Information

CM Series Camera Modules

HW-CM12	Samsara Front-Facing Dash Cam Module

License

LIC-CM1-ENT	Enterprise license for single-camera CM-series modules, includes hosted software, cellular connectivity, ongoing software upgrades, maintenance, and support
LIC-CM1-EXPRESS	Express license for single-camera CM-series, includes hosted software optimized for small-business fleets, cellular connectivity, ongoing software upgrades, maintenance, and support (Up to 20 units, additional limits apply)

Note: Requires Samsara VG34 vehicle gateway, sold separately.