

# CM32 Dash Camera Datasheet

## Internet-Connected Dual-Facing HD Camera Module



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, trend analysis, and accident reconstruction
- Easy to install, no hard-wiring into vehicle required
- Part of Samsara's complete platform for fleet management, driver safety, and compliance

# Technical Specifications

## Front-Facing Camera

<b>Field of view</b>	121° (semi-wide angle) front-facing camera
<b>Resolution</b>	High definition (1080p)
<b>Frame rate</b>	30 fps
<b>Low light</b>	HDR to optimize for bright and low-light conditions

## Driver-Facing Camera

<b>Field of view</b>	177° (wide angle) inward-facing camera
<b>Resolution</b>	High definition (720p)
<b>Frame rate</b>	30 fps
<b>Low light</b>	Infrared LED optimized for unlit nighttime in-cab video

## Audio Speaker

<b>Built-in speaker</b>	Inward-facing audio speaker for optional voice and tone-based feedback
<b>Built-in microphone</b>	Inward-facing microphone for optional audio capture

## Storage, Connectivity, and Compute

<b>Storage</b>	60 hours of 1080p footage (can be extended by configuring video quality)
<b>Connectivity</b>	High-speed 4G LTE wireless connectivity via Samsara VG-series gateways. Data secured via SSL (256-bit, military-grade encryption)

<b>Edge processing</b>	High capacity edge processor to enable concurrent neural networks for real-time artificial intelligence
<b>Automatic upload</b>	Automatically uploads video footage of harsh braking, acceleration, turning, and crashes
<b>On-demand upload</b>	Stores continuous recordings on-camera, available for over-the-air retrieval on demand

## Mounting, Enclosure, and Power

<b>Dimensions</b>	Enclosure: 108 x 41 x 61 mm (4.2 x 1.6 x 2.4 in) Cable: 4m (13 ft)
<b>Mounting</b>	Mounts to windshield via industrial-grade adhesive tape (included)
<b>Power</b>	Connects to Samsara VG-series gateway via accessory port (power + data). No additional power source or wiring required
<b>Battery</b>	Internal 1300mAh battery for fallback power when vehicle is off
<b>Operating temperature</b>	-20 to 65° C

## Software Features

<b>Software features</b>	<p>HD video playback (inward and outward) from any Internet-connected device</p> <p><b>Safety incident reports, including accident reconstruction</b></p> <p><b>Driver safety rankings with scorecards</b></p> <p><b>On-demand retrieval (over the air) based on time or location</b></p> <p><b>Configurable audio coaching plays spoken alerts during unsafe driving behavior (e.g. excessive speeding, unbuckled seatbelts, etc.)</b></p>
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# Ordering Information

## CM Series Camera Modules

<b>HW-CM32</b>	Samsara Dual-Facing Dash Camera
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## License

<b>LIC-CM32-ENT</b>	Enterprise license for dual-facing CM-series modules, includes hosted software, cellular connectivity, ongoing software upgrades, maintenance, and support
<b>LIC-CM32-EXPRESS</b>	Express license for dual-facing CM-series, includes hosted software optimized for small-business fleets, cellular connectivity, ongoing software upgrades, maintenance, and support (Up to 30 units, additional limits apply)

Note: Requires Samsara VG34 vehicle gateway, sold separately.