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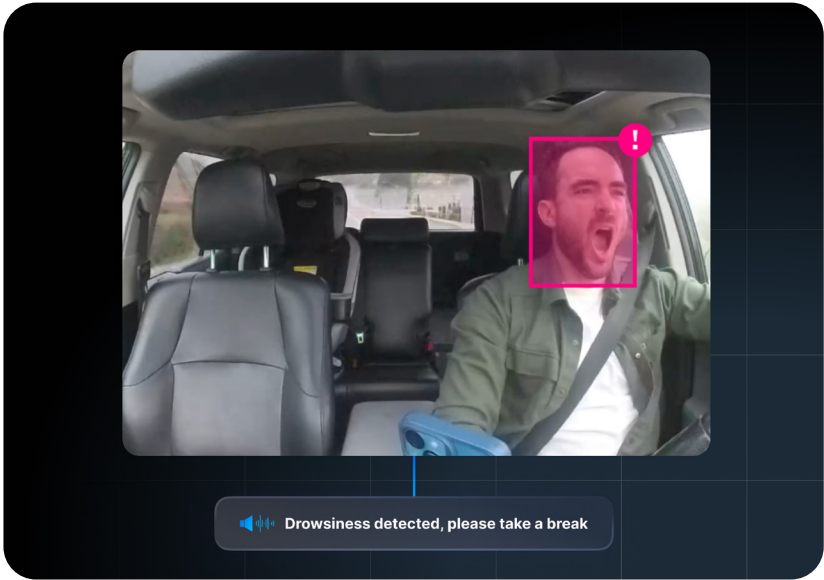

AI Dashcam

Prevent accidents and reduce risk with the industry leader in AI performance and video quality.

The Motive difference

Drowsiness detected, please take a break

[AI]

Motive uses the highest performance AI processor for computer vision from Ambarella.

⚠

Motive detects more than 15+ unsafe behaviors with industry-leading accuracy.

▷

Highest quality, ultrawide HD video: 1440p at 30 frames per second vs 1080p at 15 frames per second.

☂

Configurable storage based on video quality: Up to 9 days with long-duration cloud recall options.

🔋

Battery backup recording in case of power loss.

🔒

Driver-centric with visual LED, privacy controls, and quick capture button.

👁

AI Dashcam and AI Omnicam provide 360-degree visibility around your vehicle.

Key features

Instant risk detection

Safety event capture

Real-time AI detection:

- **Core risk**
  - Close following
  - Unsafe lane change
- **Traffic signals & signs**
  - Stop sign violation
- **Awareness**
  - Cell phone usage
  - Distraction
  - Drowsiness
  - Seat belt violation
  - Obstructed camera
- **Other**
  - Forward collision warning

Telematics detection:

- **Speeding**
  - Speeding over posted
  - Speeding over policy
- **Harsh driving**
  - Hard braking
  - Hard acceleration
  - Hard cornering

Collision detection:

- Collision
- Near collision

Other:

- Driver capture

In-cab audio and visual alerts:

- Close following
- Unsafe lane change
- Stop sign violation
- Cell phone usage
- Distraction
- Drowsiness
- Seat belt violation
- Obstructed camera
- Speeding over posted
- Speeding over policy
- Hard braking
- Hard acceleration
- Hard cornering
- Unidentified trip
- Dash cam disconnect/activation

Driver coaching

- Motive Safety Team
- Safety Hub
- Custom unsafe behavior detection
- Event Severity

- Driver App coaching
- Coaching Sessions
- Customizable Safety Score
- Face Match (not available in IL)

Accident management

- Collision detection and video upload
- Video recall: Up to 3 minutes/request (60 minutes with timelapse recall)
- Automated collision reporting

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360-degree visibility

- Live streaming
- Live images
- Engine-off recording
- In-cab audio recording
- Camera health (installation issues, disconnects, etc.)
- Driver Privacy Mode

Camera

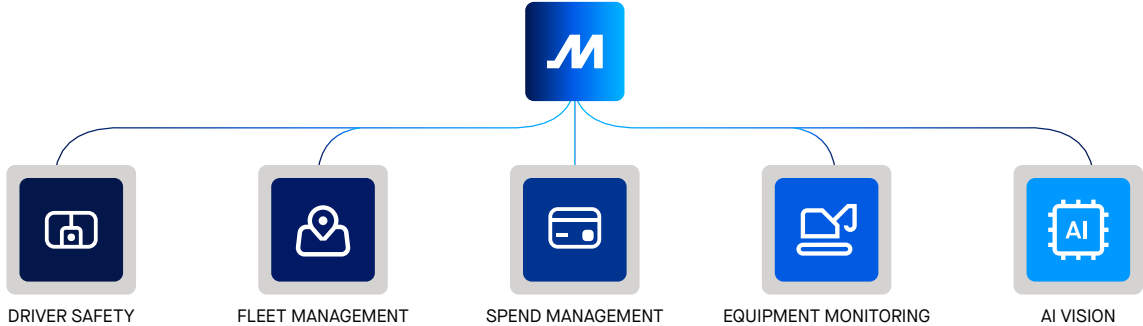|	Road-facing camera	Driver-facing camera
Resolution	2560 × 1440 (1440p)	1920 × 1080 (1080p)
Frame rate	30 fps	15 fps
Field of view	150°	180°
Pixel size	2.0 μm x 2.0 μm	2.8 μm x 2.8 μm
Dynamic range	104 dB	120 dB
Aperture	f/2.35	f/2.2
Low light performance	N/A	Nightvision with IR illumination - 2 IR LEDs

Hardware

- Road-facing model #: DC-53
- Dual-facing model #: DC-54
- Road-facing configurable recording: 45-200 hours
- Dual-facing configurable recording: 55-230 hours
- Industrial-grade battery
- Quick Capture button
- Custom mount: Supported
- Privacy lens cover: Optional
- Cable length: 13.1 ft (4 m)
- Dimensions: 4.53 × 2.36 × 1.06 in (115 × 60 × 27 mm)
- Operational temperature: -40°F-185°F (-40°C-85°C)

- Storage temperature: -40°F-239°F (-40°C-115°C)
- Connectivity: High-speed LTE through included Motive Vehicle Gateway
- Microphone: Digital, omni-directional
- Speaker: Built-in, max 80 dB
- Multi-color LED light bar for in-cab alerts
- IP rating: IP52
- Warranty: 5 years

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Requirements

The following prerequisites must be met in order to use all the safety features available within the Motive platform.

- Motive Vehicle Gateway model: VG 3.55 and above
- Motive Driver App (Android or iOS): v36
- Motive subscription: Enterprise plan

Motive is the AI-powered Integrated Operations Platform for the physical economy.

DRIVER SAFETY   FLEET MANAGEMENT   SPEND MANAGEMENT   EQUIPMENT MONITORING   AI VISION

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About Motive

Motive empowers the people who run physical operations with tools to make their work safer, more productive, and more profitable. For the first time, safety, operations, and finance teams can manage their workers, vehicles, equipment, and fleet-related spend in a single system. Motive serves more than 120,000 customers from small businesses to Fortune 500 enterprises such as Halliburton, KONE, Komatsu, NBC Universal, and Maersk across a wide range of industries including transportation and logistics, construction, energy, field service, manufacturing, agriculture, food and beverage, retail, waste services, and the public sector. Visit gomotive.com to learn more.