



FleetCam® Pillar-Mounted DMS Camera

- Fatigue detection
- Dual LED infrared illumination
- Advanced driver monitoring system
- Tamper-resistant design
- G-sensor for image stabilization

The FleetCam® Pillar-Mounted DMS Camera is an AI-powered camera designed to enhance driver safety by continuously scanning for unsafe driving behaviors, including cell phone use, seat belt compliance, fatigue, smoking, and distracted driving. Featuring a 3mm lens and infrared sensors, this compact camera captures crystal-clear video in all lighting conditions.

Fatigue Detection

AI sensors monitor driver eye movement and facial expressions to detect fatigue—not just head position. Audiovisual alerts wake up drivers when fatigue is detected.

Total Visibility

Dual LED infrared illumination provides clear driver monitoring in all lighting conditions, penetrating sunglasses to monitor eye movement and deliver consistent performance.

Continuous Driver Monitoring

The 70° horizontal field of view and central face exposure keeps the driver in frame, while the built-in G-sensor automatically adjusts the image horizontally and vertically based on road conditions.

Rugged and Reliable

The compact design enables easy installation, while the IP53-rated, tamper-resistant casing is built to withstand the demanding conditions of commercial vehicles.

Camera Specification

GENERAL

Sensor	1/4" 100MP CMOS
Lens	3mm M12-type, fixed aperture, F1.7
Resolution	1280(H)x800(V) @ 20fps
Minimum Illumination	0Lux (with infrared illumination)
Shutter Speed	1/30Second-1/5000Second
Day/Night shift Mode	Auto IR
Field of View	3mm HFOV: 70° VFOV: 42° DFOV: 85.8°
Backlight Compensation	Support
S/N	≥48db



VIDEO FORMAT

Video Compression Standard	H.265
Image Resolution	Main Stream: 1280x800 @ 20fps Sub stream: VGA 20fps (CIF or D1 (optional)). Default bitrate: 1 Mbps
Compression Output Bitrate	512Kbps-3Mbps

PHYSICAL

Dimensions	98mm (length x 30mm (width) x 43mm (height)
Installation	A-pillar side-mounted, windshield-mounted, or vertical dashboard-mounted
Waterproof Grade	IP53
Temperature	-40°C ~ +70°C (-40°F ~ +158°F
Humidity	0% ~ 90(
Power Supply	PON DC 9 ~ 18V
Power Consumption	Average power consumption: PON <2.4W

