HIKVISION®

Industry Dashcam
G40 PRO

HIKVISION

Comprehensive Protection for Your Journey
Drive with Confidence

Background

Challenges and Pains of Driving Safety and Efficiency

Disputed Accident Liability

30% of logistics disputes result in delayed payouts due to insufficient evidence.

More angles and coverage of the video picture is an urgent need in the market.

Driver Driving Safety

Fatigue/distracted driving causes 25% of freight accidents.

Alerting and monitoring drivers' driving behavior is a basic need in the industry.

Fleet Management

Vague and unverifiable driver/vehicle data compromise operational control over transportation processes.

Cost Overruns

Fuel stolen and abnormal use increases the operation cost of the company, and the real-time understanding of the use status is a pressing issue for the company to solve.

Key Values

Integrated Dual-Lens Design

Combines **5MP** front and **2MP** interior cameras without extra installation

5-Channel Video Input

Include default 2 channels and 3 additional channels (Up to 2MP)

Professional AI

Supports **DSM** and **ADAS** intelligent functions, providing timely alerts to ensure safe driving
Support Driver ID Recognition

Dual MicroSD Card and SIM Card

Total **2TB** storage and **2 SIM** cards automatic signal switching for interstate transportation.

Sentry Mode

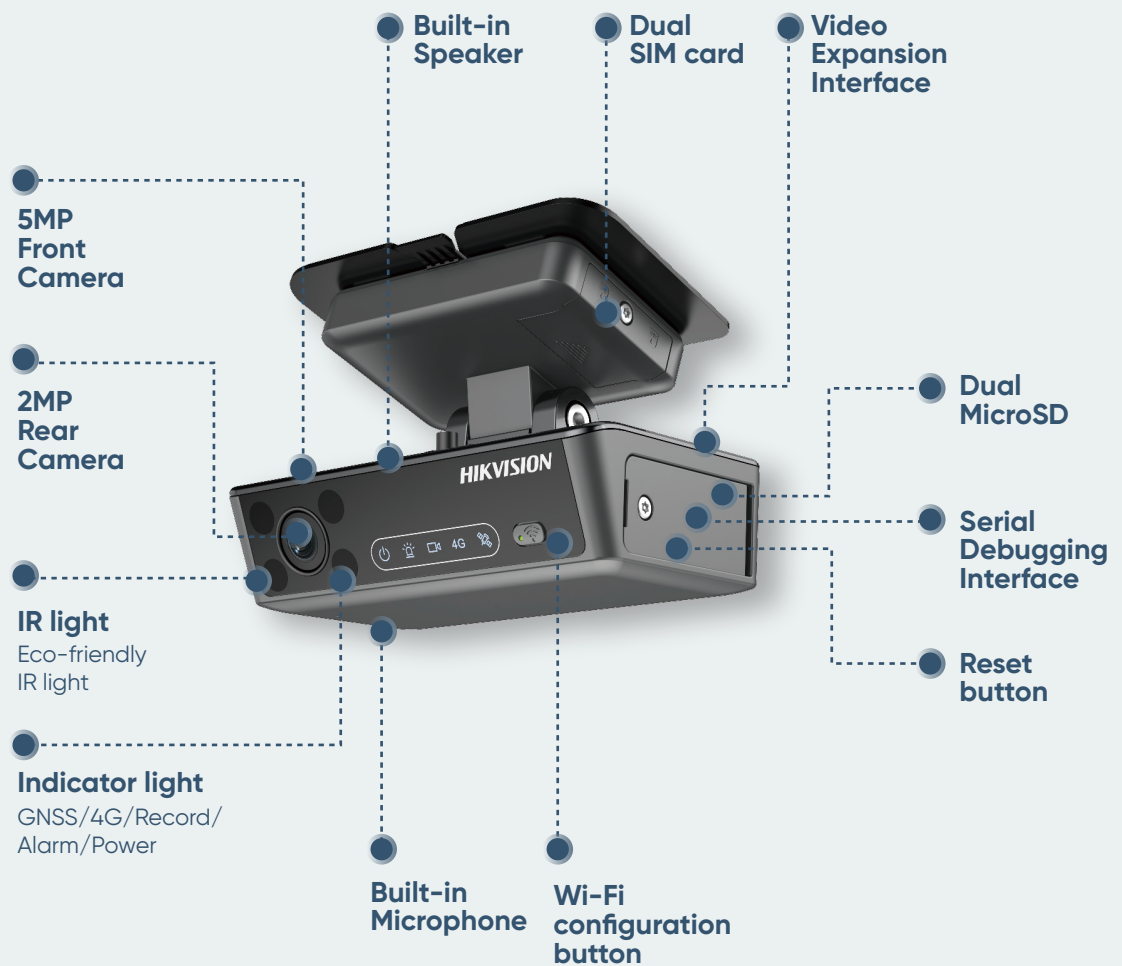Activates after ignition off, enabling low-power dual-channel monitoring (front and interior).

Platform Compatibility

Supports integration with platforms **HCT/HCP/3rd Party integration** for device management and video playback.

AE-DI5052-G40 PRO

HIKVISION

Dimension & Appearances

100 mm
78 mm
71±2 mm
113 mm

59.5 mm
51 mm
31.5 mm
68 mm

Built-in Speaker

Dual SIM card

Video Expansion Interface

5MP Front Camera

2MP Rear Camera

Dual MicroSD

HIKVISION

Serial Debugging Interface

IR light
Eco-friendly IR light

Reset button

Indicator light
GNSS/4G/Record/Alarm/Power

Built-in Microphone

Wi-Fi configuration button

Dual MicroSD & SIM Card Design

Always Stored, Always Connected

Massive Storage Capacity

- 1TB MicroSD per one slot of 2TB in total: Each MicroSD slot supports up to 1TB, enabling more footage of continuous recording.

- Dual Backup Redundancy: Simultaneous recording to both cards prevents data loss during card failures.

- Smart Overwrite: Auto-deletes oldest files when full, ensuring uninterrupted recording.

Dual SIM Card Innovation

- Auto-Switch Networks: Seamlessly transitions between carriers in cross-border transport.

- 4G Dual Standby: Maintains real-time GPS tracking and cloud uploads even if one network fails.

Dual Nano SIM Card

Dual MicroSD

HIKVISION

Sentry Mode

24/7 Protection, Zero Compromise

G40 PRO industrial dashcam features an intelligent Sentry Mode that activates automatically when the vehicle is powered off. Utilizing ultra-low-power optimization. It contentiously monitors the inside of vehicle through rear incabin camera.

- **In-vehicle Surveillance**

  24/7 HD recording with motion detection.

- **Energy-Efficient Design**

  Consumes only 3W in standby mode, extending battery life by 300% vs. conventional solutions.

- **Secure Evidence Lock**

  Critical footage is auto-saved to encrypted local storage MicroSD backup.

Professional AI

ADAS - Advanced Driver Assistance Systems

FCW
Forward Collision Warning

LDW
Lane Departure Warning

FCL
Front Car Launch

SLW
Solid lane Warning

PCW
Pedestrian Collision Warning

HMW
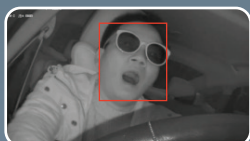Headway Monitoring Warning

TLD
Traffic Lights Detection
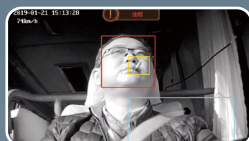
TSR
Traffic Sign Recognition

DSM - Driver Status Monitoring

Fatigue

High Accuracy

Smoke

High Accuracy

Distraction

High Accuracy
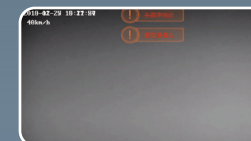
Phone Call

High Accuracy

Driver Off Seat

High Accuracy

Blocked

High Accuracy

Multi-Channel Monitoring Expansion

G40 PRO industrial dashcam supports flexible integration with 3 additional analog cameras, enabling multi-angle situational awareness for complex operational scenarios.

3-Channel Expandable Camera

Side Camera   Side Camera   Rear Camera

G40 PRO Front/interior

CAN Bus Interface

Access vehicle data (fuel levels, engine diagnostics, OBD-II codes).

I/O for Vehicle Signals

Real-time integration of turn signals, reverse lights, and custom triggers.

Alarm Input

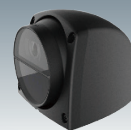Capture emergency alerts (e.g., panic buttons) and auto-upload to the platform.

RS232 Port

Connect peripherals (Door sensors, temperature sensors).

Thermal Management

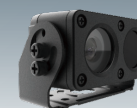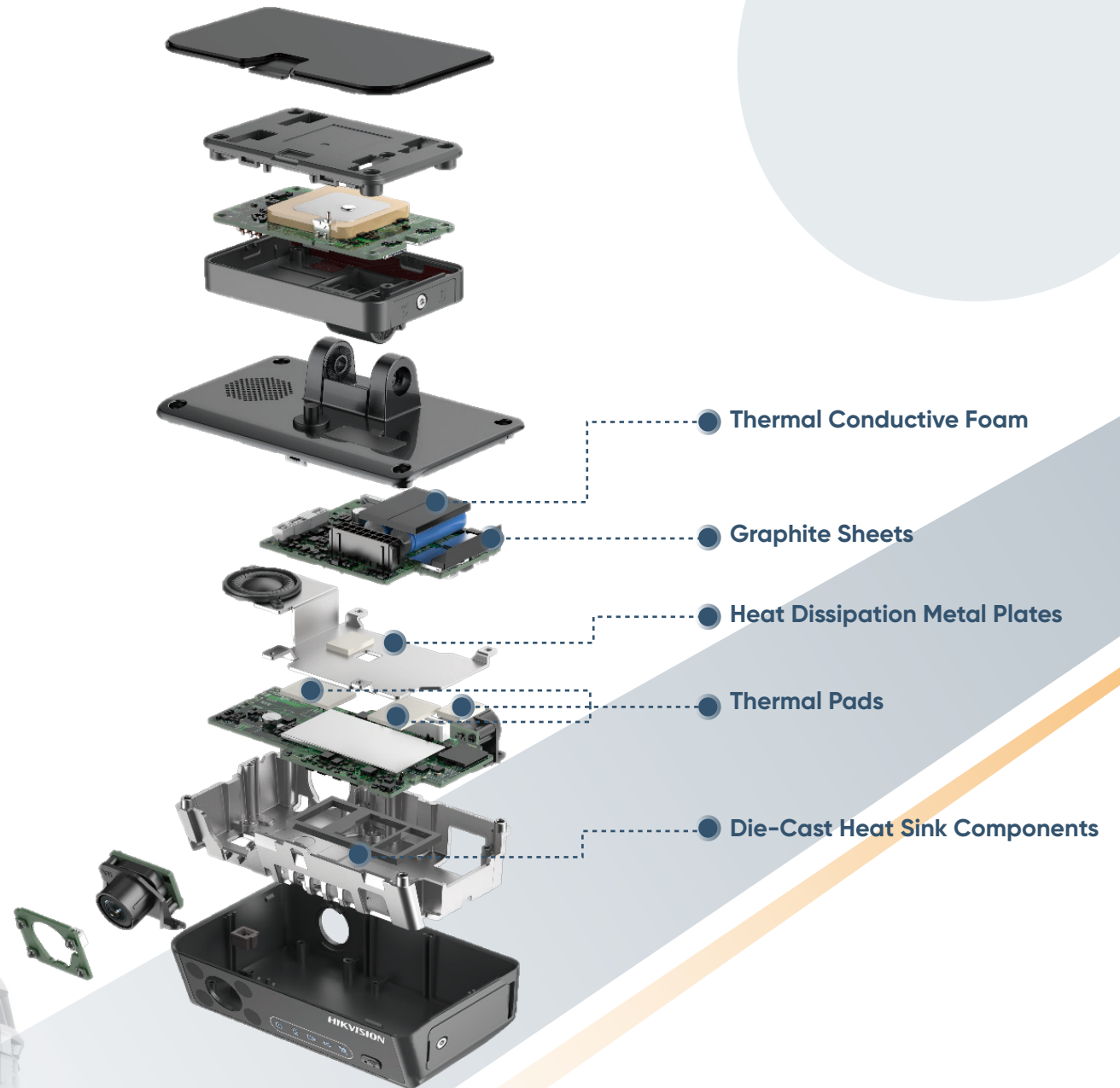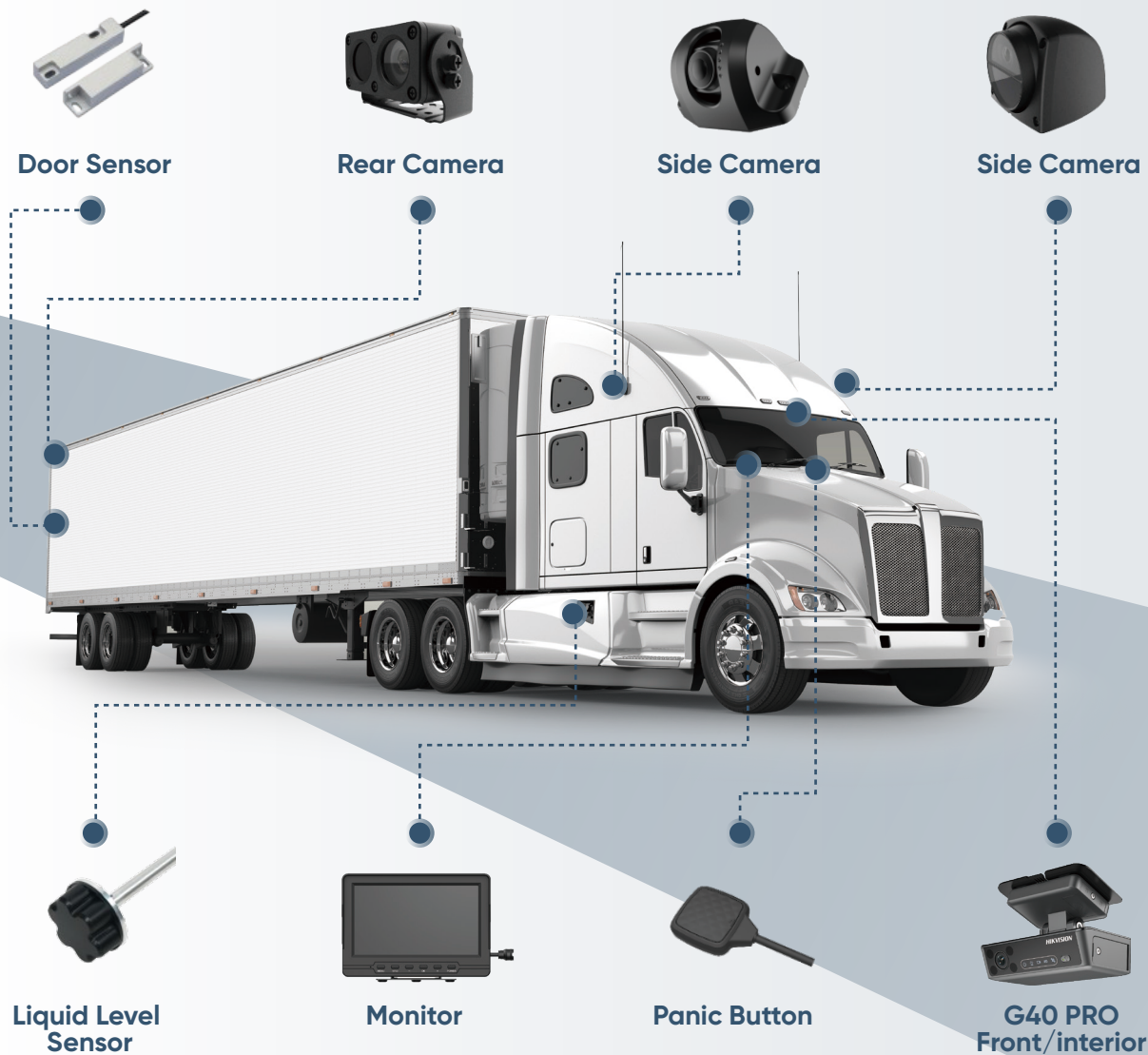G40 PRO industrial dashcam is engineered with an advanced thermal management system to ensure unparalleled reliability in extreme operating environments (-30°C to 70°C).
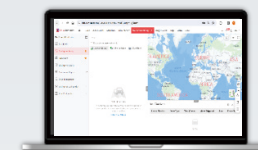
By integrating multiple cutting-edge heat dissipation technologies, including:

- Thermal Conductive Foam
- Graphite Sheets
- Heat Dissipation Metal Plates
- Thermal Pads
- Die-Cast Heat Sink Components

HIKVISION

Complete Solutions

Door Sensor

Rear Camera

Side Camera

Side Camera

Liquid Level Sensor

Monitor

Panic Button

G40 PRO Front/interior

GPS

4G

Platform

HikCentral Professional
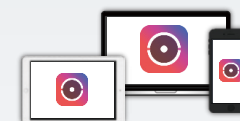
Hik-Connect Team

3rd Party Integration

Application Scenarios

Truck

Light Truck

UTE

Van

Dimension & Appearances

Video & Audio

Camera Resolution	4G Dual SIM (Nano) Bluetooth 5.0 (third-party sensors) Wi-Fi (AP hotspot)
Video Compression	H.265/H.264
Field of View	Front camera: (H)123° (V) 63° (D)142° Rear camera: (H)145° (V) 78° (D)172°
Low-Light Performance	Min. Illumination: 0.1 Lux (color), 0.01 Lux (B&W IR)
Audio Features	Built-in microphone + speaker (two-way audio)

Storage & Communication

Storage Expansion	Dual Micro-SD slots (supports up to 1TB each, Class 10 or higher)
Wireless Connectivity	4G Dual SIM (Nano) Bluetooth 5.0 (third-party sensors) Wi-Fi (AP hotspot)

Positioning & Interfaces

Satellite Positioning	GPS/GLONASS/GALILEO tri-mode (speed/time overlay)
Motion Sensor	6-axis gyroscope (triggers emergency recording on collision/severe vibration)
Alarm Input	2-ch I/O alarm signals, 3-ch steering signals
Interfaces	1* CAN 1* RS232 serial port 1* 6 pin aviation Ethernet port

Hardware & Environment

Operating Temperature	-30°C ~ 70°C
Protection Rating	IP4X (dust-proof, non-waterproof)
Power Input	11.8V~16V/23.5V-36V, max. 15W
Dimensions & Weight	113mm×71mm×68mm (with bracket) net weight 321g