

Onboard Security Solution

Make every ride safe and smart



HIKVISION®

What We Offer

Hikvision's Onboard Security System is a professional in-vehicle solution that streamlines supervision, scheduling, and emergency response for commercial fleets such as buses, taxis, and trucks. Core capabilities include:

Real-time monitoring

Precise vehicle positioning

Driver safety alerts

Route optimization

Speed management

Driver profile management

Key Technologies

AI-driven image signal processing (AI-ISP)

Enhances image sensitivity while precisely suppressing noise, delivering significantly improved brightness and image quality.



Large-scale AI models

Elevate onboard intelligence, significantly boosting precision and reliability, with up to 50% improvement in seat belt detection accuracy.

Open application platform

HEOP (Hikvision Embedded Open Platform) enables seamless integration of third-party and custom applications on Hikvision hardware.



Certifications and Qualifications

10 core certifications in automotive software & electronics



Key Products

Dash cams

Cameras

IP Cameras

Analog Cameras

MVRs

DVRs

NVRs

XVRs

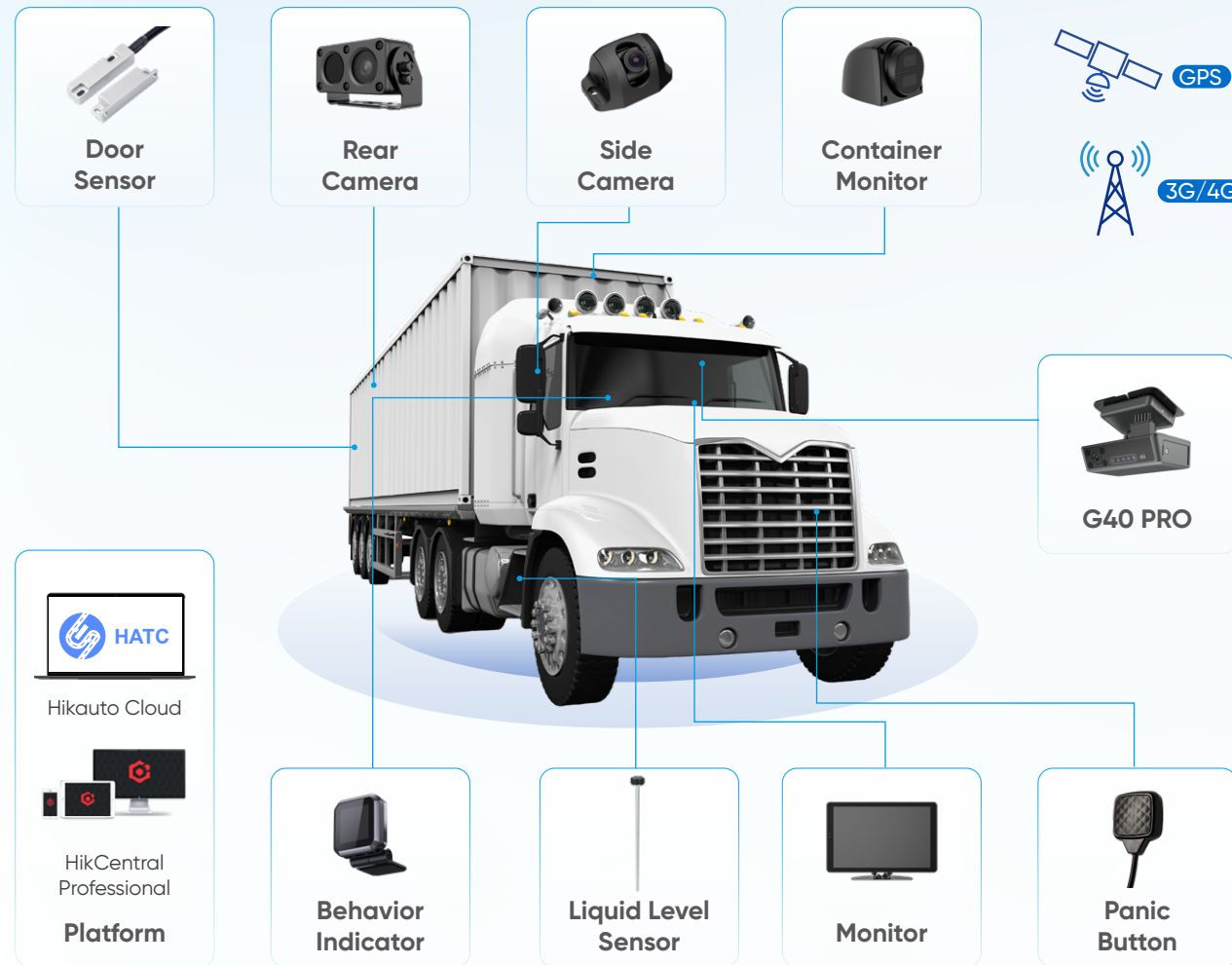
Platforms

Accessories

Vision-aid systems

Fleet Management

Logistics operators face ongoing challenges from cargo theft, unpredictable transport conditions, and safety risks. Accurate, real-time visibility into vehicle location, schedules, and cargo status is critical. Hikvision's Fleet Management Solution delivers an end-to-end, integrated approach, enabling real-time visibility, stronger operational control, and enhanced transport security.



Key Products

G40 PRO All-in-One Dash Camera



AE-DI5052-G40 PRO

Multi-device connectivity

5-channel video input (2 standard, 3 expandable up to 2 MP)

Reliable cross-border connectivity

Dual TF cards (up to 1 TB each) and dual SIMs for automatic switching

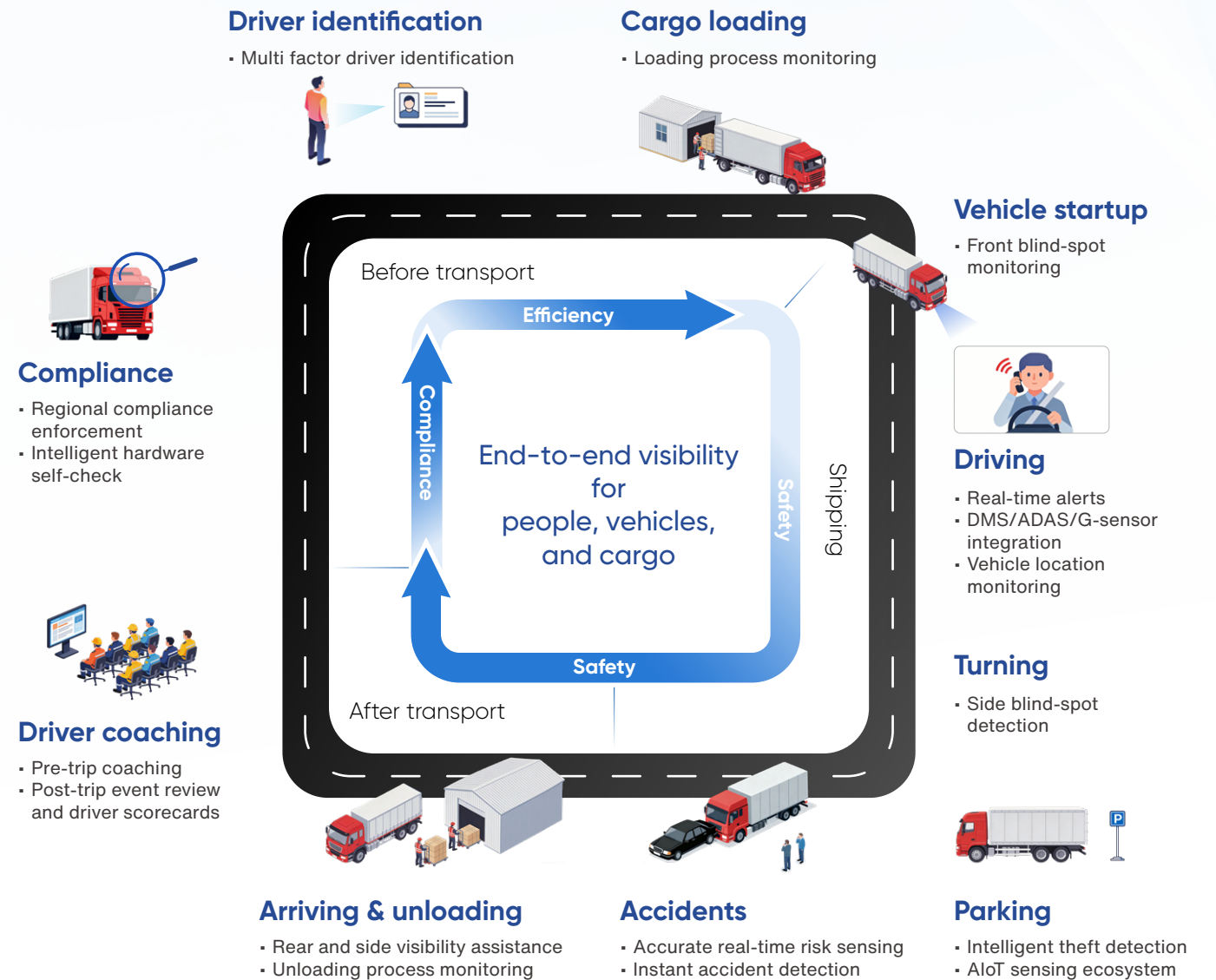
User-friendly platform

Compatible with HACT/HCP/CMSV6 for easy device management and video playback

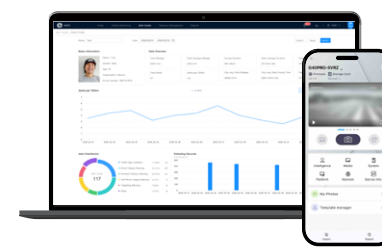
Low-power protection

Sentry mode enables monitoring when the engine is off

Boost productivity and minimize transportation risks



HAT Cloud (HATC)



Hikauto Cloud

HAT Cloud (HATC) is a cloud-based platform built on Internet of Vehicles and distributed system technologies

Fleet management

- Vehicle tracking
- Video monitoring
- Active safety alerts (ADAS/DSM)

Device maintenance

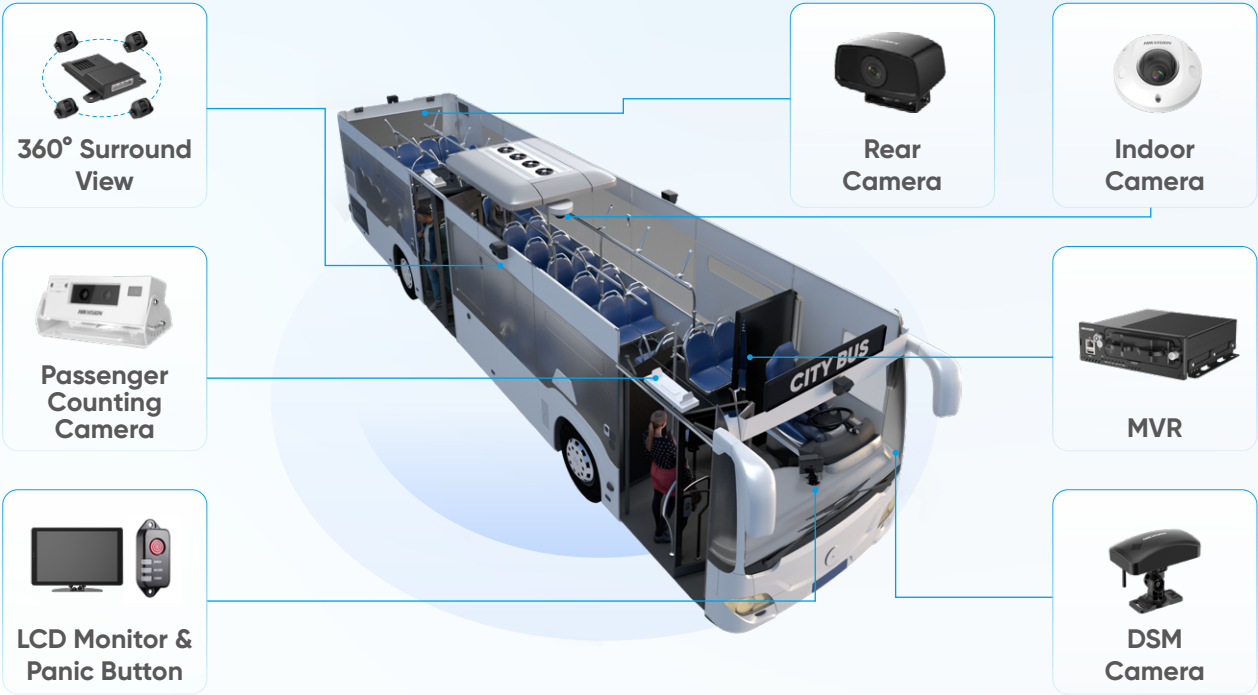
- Remote upgrades
- Device configuration
- Status monitoring and fault alerts

Open platform

- Open APIs enable fast integration with partners' business platforms

Bus

Transit buses are essential to public transportation, yet operators often face limited visibility into vehicle status, passenger capacity, and onboard conditions. Hikvision's Smart Bus Solution provides comprehensive supervision to enhance safety, improve efficiency, and deliver more reliable transit services.



Solution Highlights

Accurate passenger counting

- Counts boarding, alighting, and onboard passengers
- Filters children and passengers carrying large items

Data synchronization and analysis

- Syncs route, stop, and schedule data from third-party systems
- Supports passenger flow statistics and reporting

Stop skipping detection

- Alerts when drivers skip authorized stops

Route deviation detection

- Uses GPS and estimated travel times to detect deviations and alert the control center

Key Products

Passenger Counting Camera



DS-2XM6825G1

- 2 MP high-quality imaging
- H.265+ compression
- 105 dB WDR for strong backlight environments
- IP66 waterproof and IK08 vandal resistant

DSM Camera



AE-VC3B2I-ISF

- 3 MP resolution with 4:3 aspect ratio for improved seat belt detection
- HDR support
- Large-model AI algorithms for higher accuracy
- Adjustable three-section mounting bracket
- PoE power supply

School Bus

To maximize student safety between home and school, Hikvision combines video security and AI technologies to protect students, drivers, and vehicles.



Solution Highlights

Video security

Hikvision provides interior and exterior video coverage for school buses to help protect students and drivers, reduce safety risks, and support stable, reliable fleet operations.

Stop arm violation detection

When a school bus extends its stop arm, surrounding vehicles must stop by law. Hikvision's mobile ANPR cameras identify and record violators, capturing key vehicle information to support evidence collection and improve student safety.

Student retention

By combining cameras with infrared technology, the solution enables remote checks of the bus interior to confirm that no children are left behind, even after the driver exits and locks the vehicle. This supports fast response and early intervention, helping minimize potential risks.

Key Products

ANPR Camera



AE-VC583I

- 5 MP high-resolution imaging
- Multiple fixed lens options (4 mm to 16 mm)
- Flexible horizontal and vertical installation
- IP68 / IP69K waterproof and IK10 vandal-proof
- License plate recognition across the Asia-Pacific region, Middle East, Europe, Africa, and the Americas

360 Panoramic Surround View System



AE-VE242A-A

- Panoramic image stitching and image equalization
- Supports 4-channel 720p/1080p camera input
- 2D/3D multi-view switching
- HDTV/AVD/CVBS output
- Supports multi-channel video storage and playback

Onboard Security Solution

Make every ride safe and smart



www.hikvision.com
support@hikvision.com



HIKVISION®