

Enhanced Transit **Operation**

Hikvision's smart bus solution enhances operational efficiency and service quality for bus operators.

01/ **People Counting**

Accurate Passenger Counting

Tracks the number of passengers boarding, alighting, and remaining on the bus, while filtering out children and passengers carrying items, etc.

Data Synchronization and Statistics

Syncs data on routes, stops, and schedules from third-party systems, and supports the display and export of passenger flow statistics.



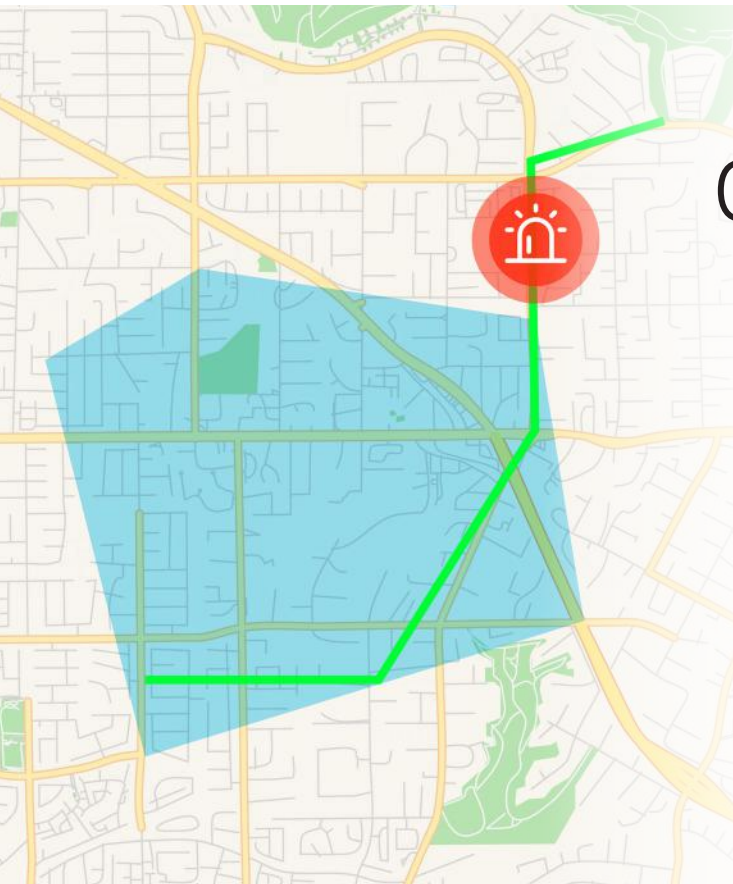
02/ **Traveling Deviation Detection**

Stop Skipping Detection

Alerts if drivers skip designated stops without authorization.

Route Deviation Detection

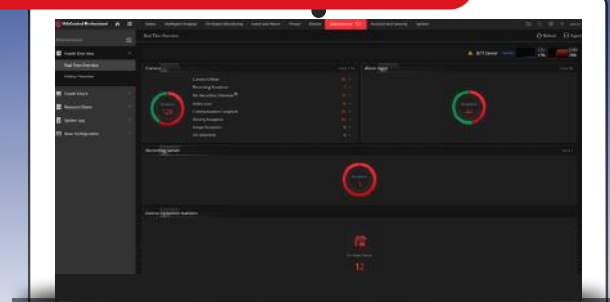
Utilizes GPS and estimated travel times to identify and alert the control center about deviations from planned routes.



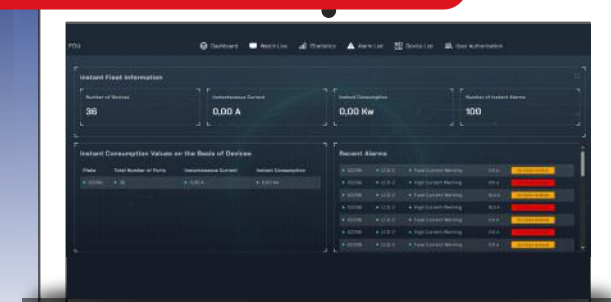
Easy System **Maintenance**

- Displays the status and health statistics of the equipment.
- Enables remote upgrades for Mobile Video Recorders (MVRs) and on-board cameras.
- Monitors current, voltage, and power consumption, and sets alarm thresholds to ensure safe operation.

System Health and Remote Batch Upgrades



Power Distribution Unit (PDU) Management



Product Introduction

MVRs



4-Channel MVR 8-Channel MVR

Indoor Cameras



DS-2XM6122G1 DS-2XM67 Series DS-2XM63 Series

Software

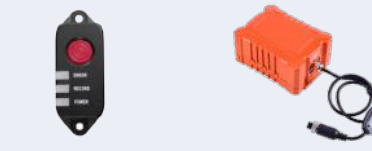


HikCentral Professional

Accessories



AE-MW1104 DS-1350HM



DS-1530HMI DS-MP1431-64G

Outdoor Cameras



DS-2XM6522G1 AE-VC253T-IT AE-VC236T

DSM Camera



AE-VC1B1I-ISF

360° Surround View Cameras



AE-VE242A-A AE-VA236A

People Counting Camera



DS-2XM6825G1



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HIKVISION

HIKVISION



Hikvision Smart Bus Solution

Smart transit, safe commute, seamless operations

Hikvision Smart Bus Solution

Transit buses play a vital role in public transportation globally. Despite their importance, conventional bus systems often face challenges related to operational safety and management efficiency. Monitoring unsafe driving, bus load, and environmental conditions can be limited, and issues with driver assessment and system maintenance persist.

Hikvision's Smart Bus Solution tackles these issues by offering an advanced, comprehensive system for enhanced supervision.

Comprehensive Transit Safety Management

Hikvision equips buses with various cameras to ensure complete coverage, addressing blind spots, bus interiors, loading and unloading areas, and the driver's seat, etc.

Outdoor Camera

Real-time HD monitoring of the bus environment



People Counting Camera

Monitoring of boarding and alighting procedures



Fisheye Camera/Dome Camera

Real-time HD monitoring inside the bus



Mobile NVR & Fire-proof Video Storage

Storage, backup, and transfer of recorded video and data
Real-time tracking, speed assessment, and collision alerts



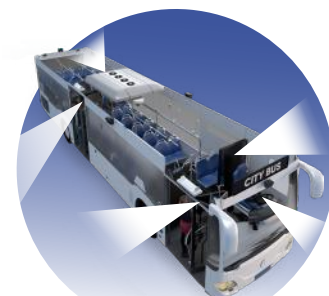
Anomaly Detection Camera

Analysis of unsafe driving behavior



LCD Monitor & Panic Button

Live preview for driver assistance



Intelligent Driving Assistance



Advanced Driver Assistance Systems

Features of ADAS include Forward Collision Warning (FCW), Lane Departure Warning (LDW), Headway Monitoring Warning (HMW), and Pedestrian Collision Warning (PCW) for improved driving safety.



Blind Spot Detection

BSD detects pedestrians, vehicles, and non-motorized traffic in blind spots and notifies the driver.



Driver Status Monitoring (DSM)



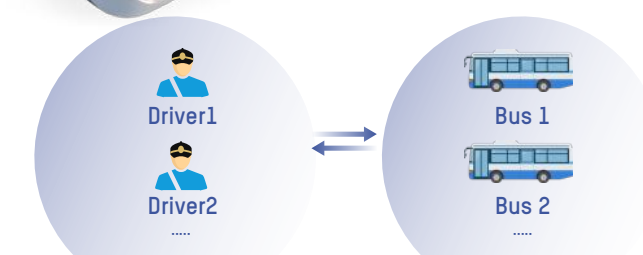
Intelligent Detection

Hikvision DSM Cameras identify hazards like driver fatigue, distractions, and smoke.



Timely Alerts

The system issues alarms to keep drivers alert and focused.



Unauthorized and Overtime Driving Detection



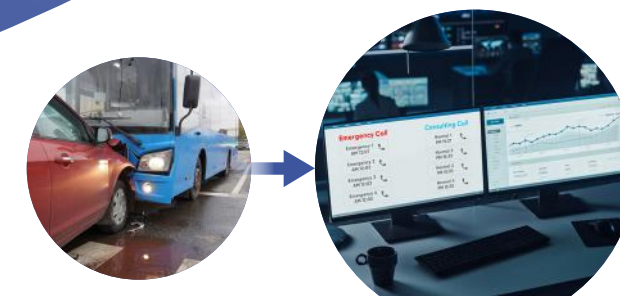
Unauthorized Access Alarm

Alerts when unauthorized individuals drive the bus or if drivers use buses and routes not designated to them.



Overtime Driving Alarm

Monitors driving duration and issues alerts if it exceeds preset limits.



Emergency and Consulting Management



Incident Handling

The control center will receive emergency and consulting calls, with all conversations automatically recorded to ensure quick and reliable resolution.