HIKVISION®

Hikvision Solutions for Education

Ensuring a Safer and Smarter
Learning Environment

Hikvision Solutions for Education

Ensuring a Safer and Smarter
Learning Environment

Is your security system keeping up to campus challenges? Do your teaching modes meet student needs?

Hikvision helps you build a safer and smarter environment on and off-campus, both now and in the future.

With advanced AIoT technologies and devices, Hikvision provides a comprehensive education solution that meets the evolving needs of your campus, students, and faculty.

In this ever-changing era of education, educational institutions often find themselves striving to tackle issues that include the following:

Comprehensive Security

· Eliminate blind spots in video security and alarm systems
· Identify unexpected emergencies and take prompt actions

Efficient Management

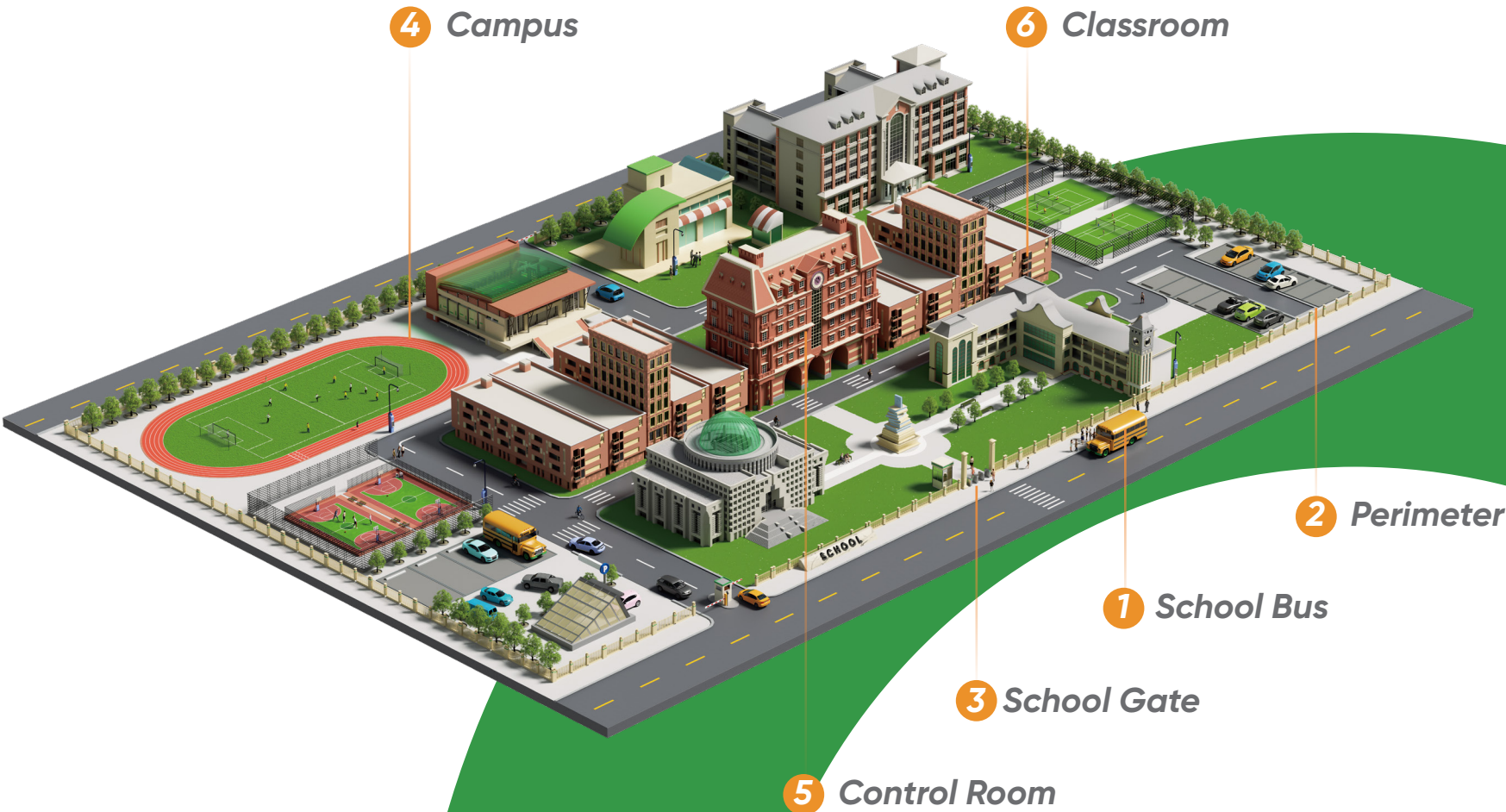· Centralize separate systems into a single platform

Engaging Learning Environments

· Meet the learning needs for both in-person and remote students
· Improve classroom interactivity for an enriching learning experience

That's where Hikvision's education solution comes in.

4 Campus

6 Classroom

2 Perimeter
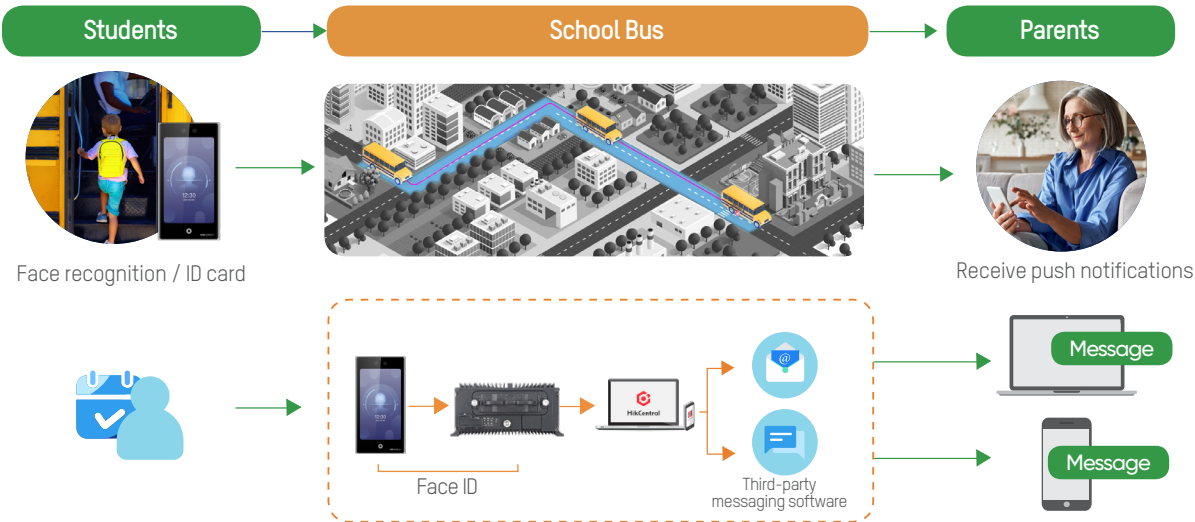
1 School Bus

3 School Gate

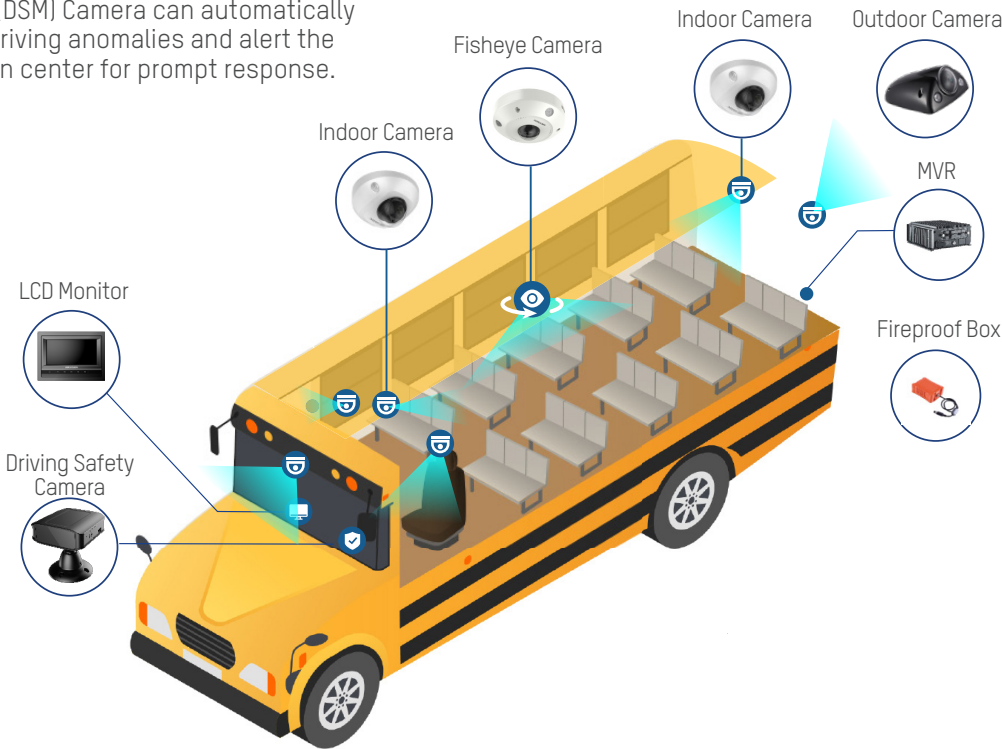5 Control Room

01/ **School Bus**

Student Attendance

Students can use either their ID card or face recognition via the Face Recognition Terminal when boarding the school bus. Parents and guardians receive a notification on their mobile phones to keep informed of their child's safe arrival.

Students	School Bus	Parents

Face recognition / ID card

Receive push notifications

Face ID

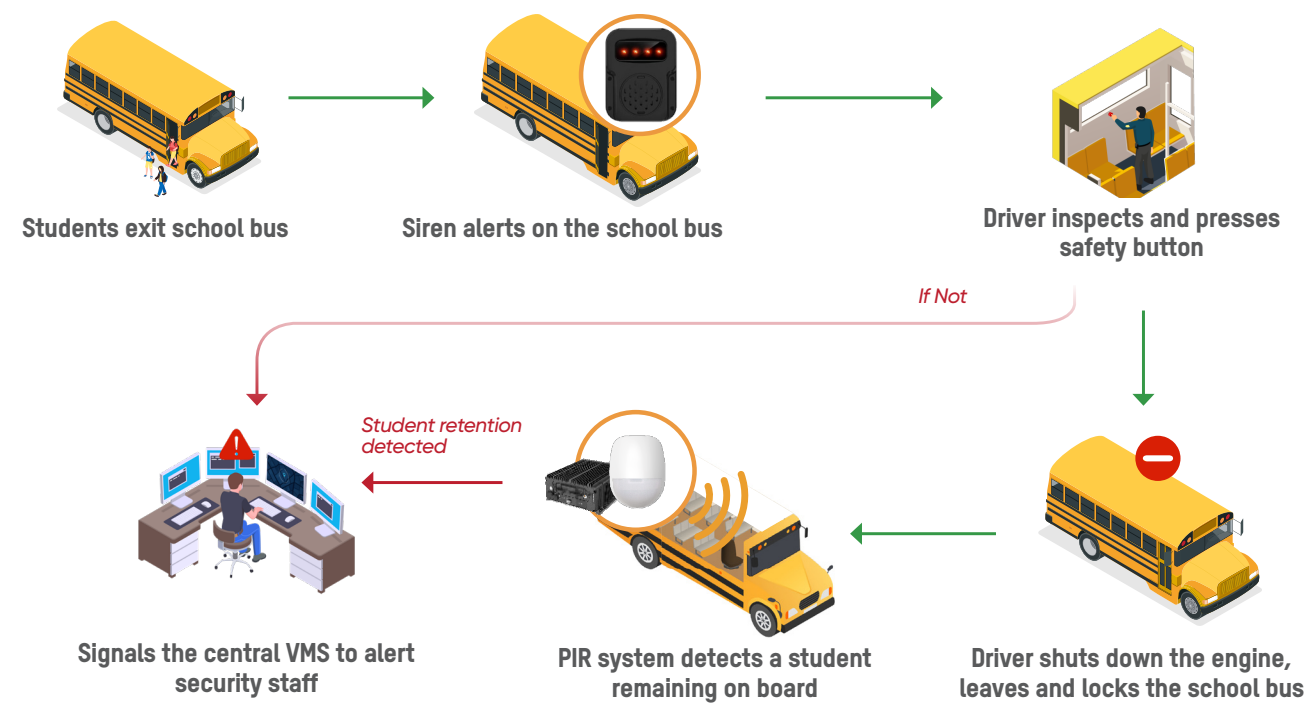Third-party messaging software

Message

Message

Safe Journey

A live map is offered to see the bus's location in real time. Along with high-definition video for instant monitoring and review, Driver Status Monitor (DSM) Camera can automatically detect driving anomalies and alert the operation center for prompt response.

Fisheye Camera

Indoor Camera

Outdoor Camera

Indoor Camera

MVR

LCD Monitor

Fireproof Box

Driving Safety Camera

On-board Student Detection

A child left on the school bus, especially during high daytime temperatures, can be at significant risk. Hikvision's PIR Sensor provides a reliable and easy way to confirm if a student is present on the bus.

Students exit school bus → **Siren alerts on the school bus** → **Driver inspects and presses safety button**

If Not

Signals the central VMS to alert security staff ← *Student retention detected* ← **PIR system detects a student remaining on board** ← **Driver shuts down the engine, leaves and locks the school bus**

02/Perimeter

Have confidence knowing your campus perimeters are always protected.

Hikvision's AcuSense technology accurately detects potential risks with person and vehicle classification. Moreover, Cameras with Live Guard feature flashing lights and pre-recorded auditory warnings to deter potential trespassers immediately.

03/School Gate

Gate Security

Student Pick-up Area

Personal Access Control

Vehicle Entrance & Exit

SCHOOL

Security Inspection

To ensure campus safety, Hikvision helps detect threats using X-ray with Raytina Algorithm Engine and AI accuracy. It can effectively identify over 35 types of prohibited items.
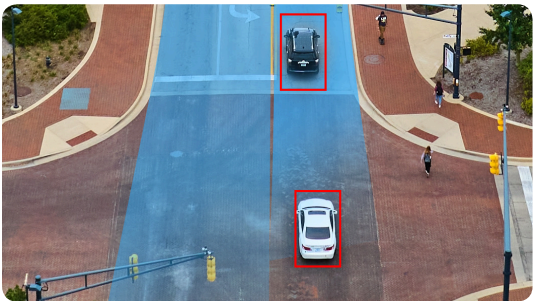
Vehicle Management

Hikvision offers flexible strategies for various types of vehicles such as buses, parents' vehicles, maintenance vehicles, and more.

Entrance & exit management

Hikvision's parking lot management system and radar-triggered capture cameras can be effectively deployed at school gates, providing quick egress for internal vehicles and manual operation for external vehicles.
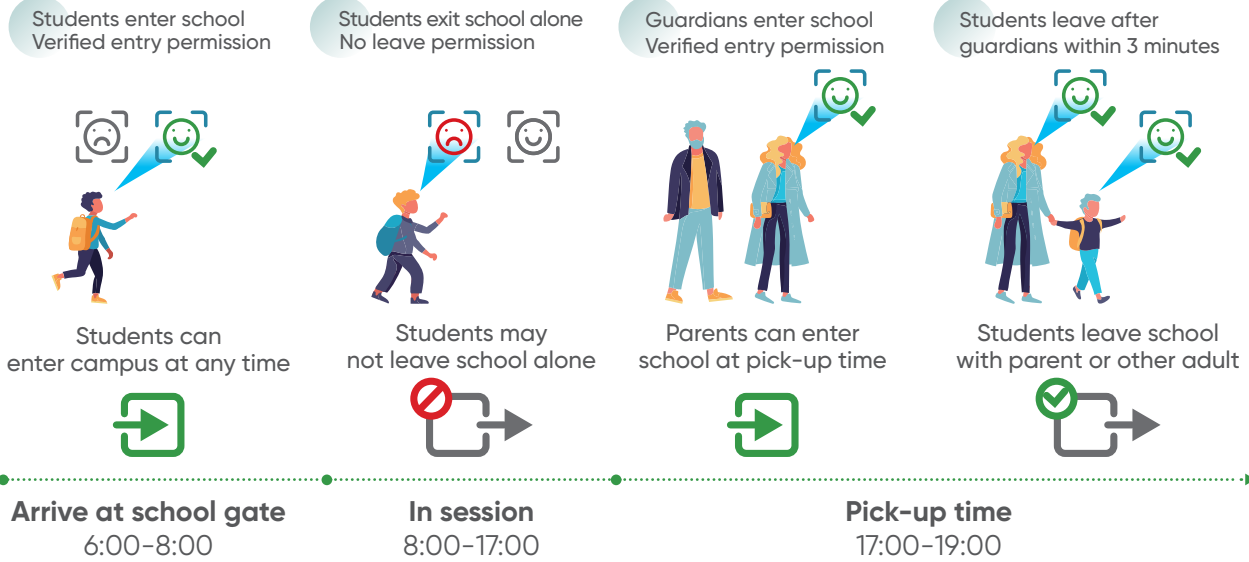
Violation detection

Vehicle checkpoints deployed on arterial roads can detect unregistered vehicles or driving violations, and trigger alarms for prompt response by security guards.
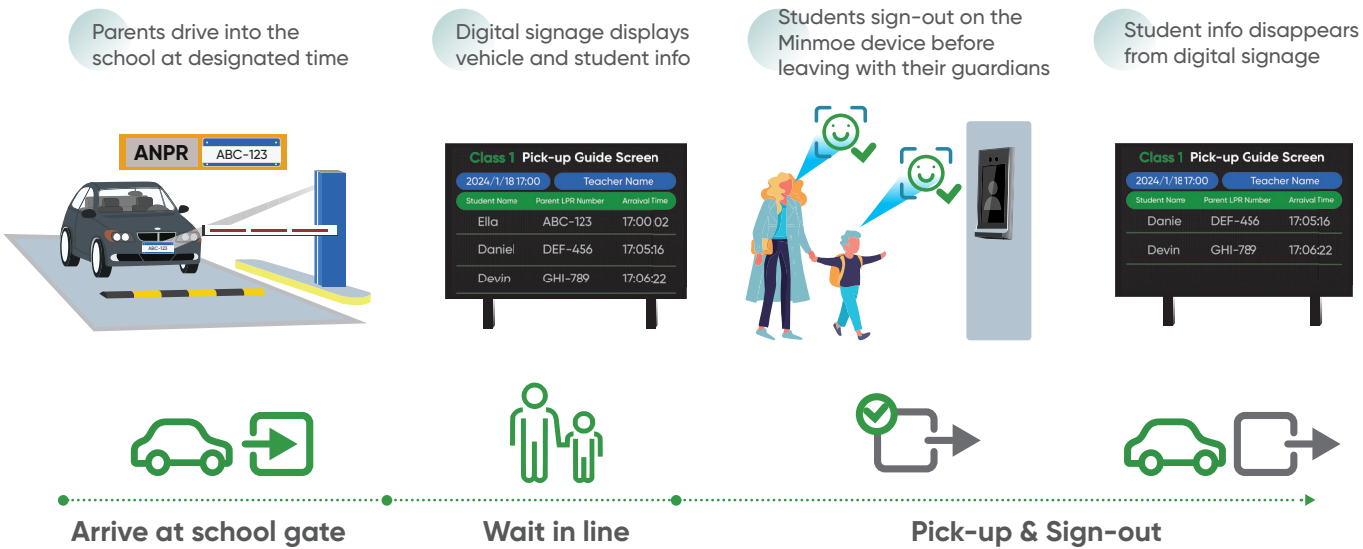
Student Pick-Up

During the start and end of the school day, student pick-up and drop-off can present challenges for both guardians and school staff. With Hikvision's access control systems, the process is simplified and secured.

On-Foot Pick-Up Process

Students enter school
Verified entry permission

Students exit school alone
No leave permission

Guardians enter school
Verified entry permission

Students leave after
guardians within 3 minutes

Students can enter campus at any time

Students may not leave school alone

Parents can enter school at pick-up time

Students leave school with parent or other adult

Arrive at school gate
6:00-8:00

In session
8:00-17:00

Pick-up time
17:00-19:00

Car Pick-Up Process

Parents drive into the school at designated time

Digital signage displays vehicle and student info

Students sign-out on the Minmoe device before leaving with their guardians

Student info disappears from digital signage

ANPR | ABC-123

Class 1	Pick-up Guide Screen	
2024/1/18 17:00	Teacher Name	
Student Name	Parent LPR Number	Arrival Time
Ella	ABC-123	17:00 02
Daniel	DEF-456	17:05:16
Devin	GHI-789	17:06:22

Class 1	Pick-up Guide Screen	
2024/1/18 17:00	Teacher Name	
Student Name	Parent LPR Number	Arrival Time
Danie	DEF-456	17:05:16
Devin	GHI-789	17:06:22

Arrive at school gate

Wait in line

Pick-up & Sign-out

04/ Campus

Emergency Calling

In case of emergencies such as fire or potential trespassers, students and staff can quickly run to the station and call the Control Center for help.

AR Monitoring

Operators gain awareness of alarm locations and access to various camera live feeds. Security staff can perform multiple functions simultaneously. The big pictures and details can be seen on a single screen.

- Effortless event management
- Quickly find objects using a computer mouse
- Switch scenarios with ease
- Create shortcuts via tags for multiple resources

Daily Arrival Attendance

Say goodbye to the limitations of traditional methods, such as relying solely on face recognition terminals at entry gates. Up-to-date attendance information can be accessible throughout all Hikvision's systems. With this feature, educational institutions can trust in the accuracy and reliability of their attendance records.

*The attendance system records the first attendance data of each day as the final attendance result.

Lobby or school gate
Face Recognition Devices

Lab or buildings
Access Control Devices

Classroom
Class Attendance Devices

Information Release

Information needs vary on campus. Hikvision's Digital Signage in common areas can help effectively communicate with all students, and be managed in a unified manner. Potential uses includes:
· Digital menus
· Event information and promotions
· Booking schedules to lecture halls
· Urgent notifications

Furthermore, Hikvision's versatile devices display information in various formats, like picture, audio, and video.

05/ Control Room

Dedicated Education Dashboards

Visualized data display aids smarter decision making

· Real-time security status and alarms, facilitating prompt actions when necessary
· Centralized data management from multiple devices and sensors improves understanding of vital security information
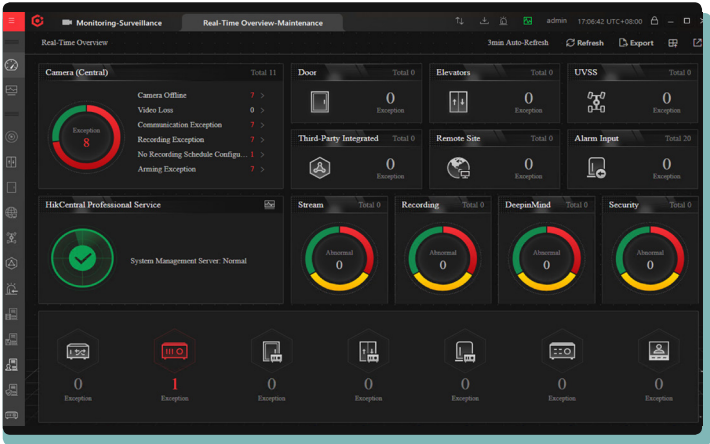· Diversified data and reports enhance management efficiency

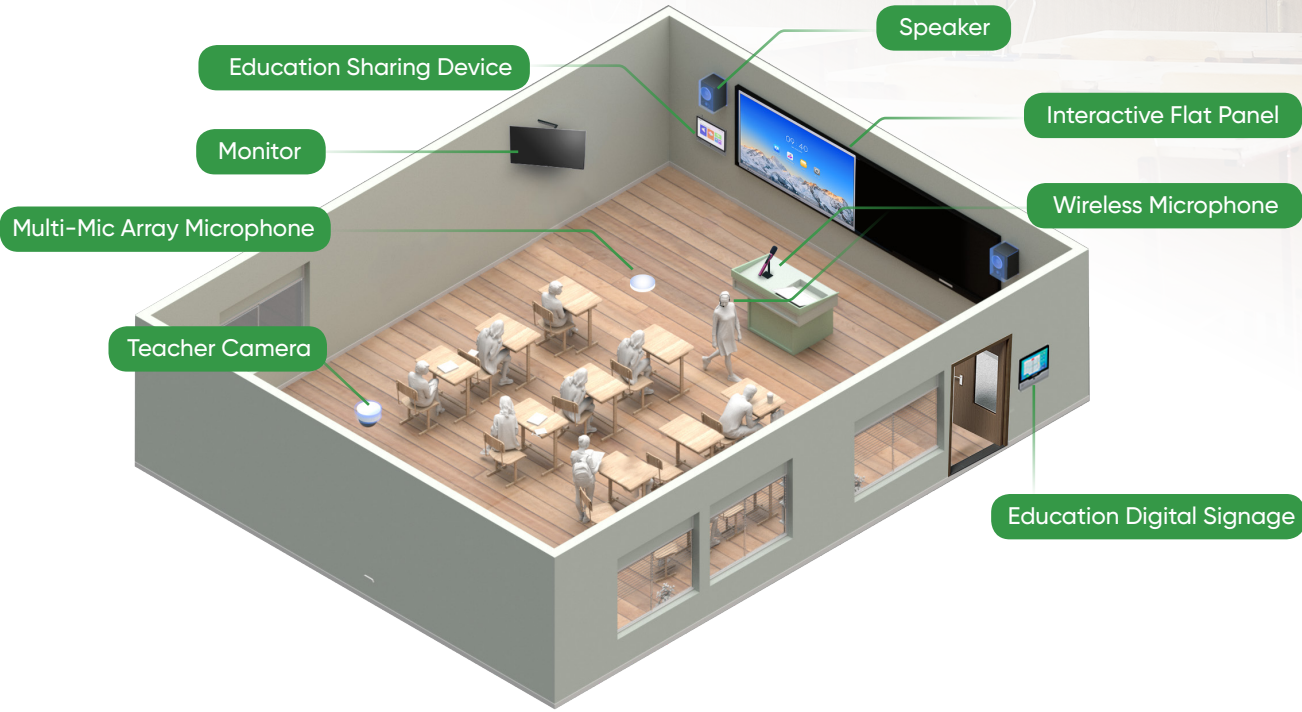## System Maintenance

Quick system status overview

· Visualized diagram, reports and network topology
· Real-time and historical statistics accessible

Easier troubleshooting

· Color indicators swiftly identify error nodes
· Network topology and device troubleshooting guides
expedite issue resolution and eliminate common errors

06/ Classroom

- Speaker
- Education Sharing Device
- Interactive Flat Panel
- Monitor
- Wireless Microphone
- Multi-Mic Array Microphone
- Teacher Camera
- Education Digital Signage

Information Sharing with Education Digital Signage

The all-in-one Education Digital Signage offers a comprehensive solution with six display modes, including information display and urgent notification, catering to various needs.

· Easily set up at classroom entrances and library gates
· Quick and widespread distribution of essential school information
· Record attendance by using face recognition or ID card, reducing the need for manual checks
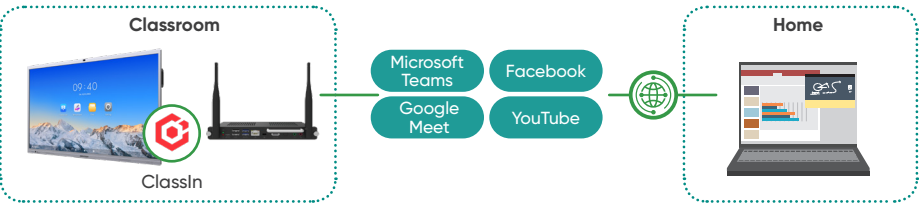
Course Recording

The Education Sharing Device allows teachers to easily record their teaching sessions for review and reinforcement.

Professional cameras capture multi-perspective videos, providing an immersive viewing experience that improves the learning journey.

Distance Learning

Take education beyond the classroom with Hikvision's advanced AI technologies and digital teaching tools. These innovative virtual classrooms bridge the gap between teaching and learning.
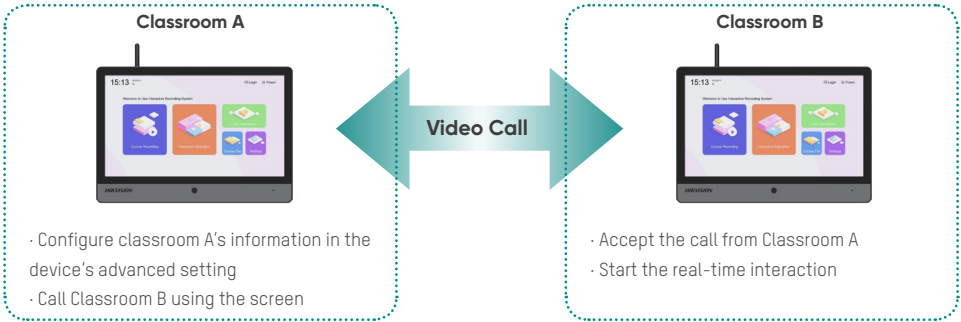
Remote learning

For students at home, Hikvision offers a remote learning method by leveraging professional, AI-enabled teacher camera and lightweight ClassIn software. With automatic panoramic and close-up view switching, students can stay fully engaged from the comfort of their home.

Classroom

Microsoft Teams
Facebook
Google Meet
YouTube

Home

ClassIn

Classroom-to-classroom interaction

Connect students in remote classrooms with high-quality educational content while keeping a pulse on their feedback for optimal engagement.

The Education Sharing Device facilitates real-time video and audio sharing, enhancing collaborative learning experiences across classrooms. Students and teachers from different classrooms can view each other's classroom footage and engage in live voice communication.

Classroom A

Video Call

Classroom B

· Configure classroom A's information in the device's advanced setting
· Call Classroom B using the screen

· Accept the call from Classroom A
· Start the real-time interaction

Video-based Class Inspection

Video recordings can be scheduled to align with class timetables, allowing school administrators or staff to easily view real-time video feeds from their computer without disrupting the class.

Inspection logs are recorded automatically, which contributes to the improvement of teaching quality.

Time
11-15-2023 10:11

Classroom
Classroom 01

Class Teacher
John

Ongoing Lesson
Geography

LOG

HikCentral Professional

Headmaster/ Teachers

Students at Home

Main Classroom

Secondary Classroom

Advanced collaboration with Interactive Flat Panel

Take your digital teaching experience to new heights with Hikvision's Interactive Flat Panel.

Designed with excellence in mind, it offers great writing experience and a wide range of teaching tools. Both teachers and students enjoy a dynamic environment.

Plus, it can seamlessly integrate with multiple third-party software, adapting to changeable teaching environments and regional requirements.

09:40