



# **Intelligence School Bus Surveillance Solution Security Enhanced in moving vehicles with AI Cameras**





## Introduction

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Car accidents are often attributed to driver distraction or misjudgment. As such, the development and implementation of vehicle safety systems have grown, especially in the past decade. The Intelligent School Bus Surveillance Solution introduces video analysis to reduce crashes and monitor the vehicle to ensure students stay safe to and from school.



Oncall



Eat



Use phone



Smoke



Drowsiness



Distraction

## Challenges

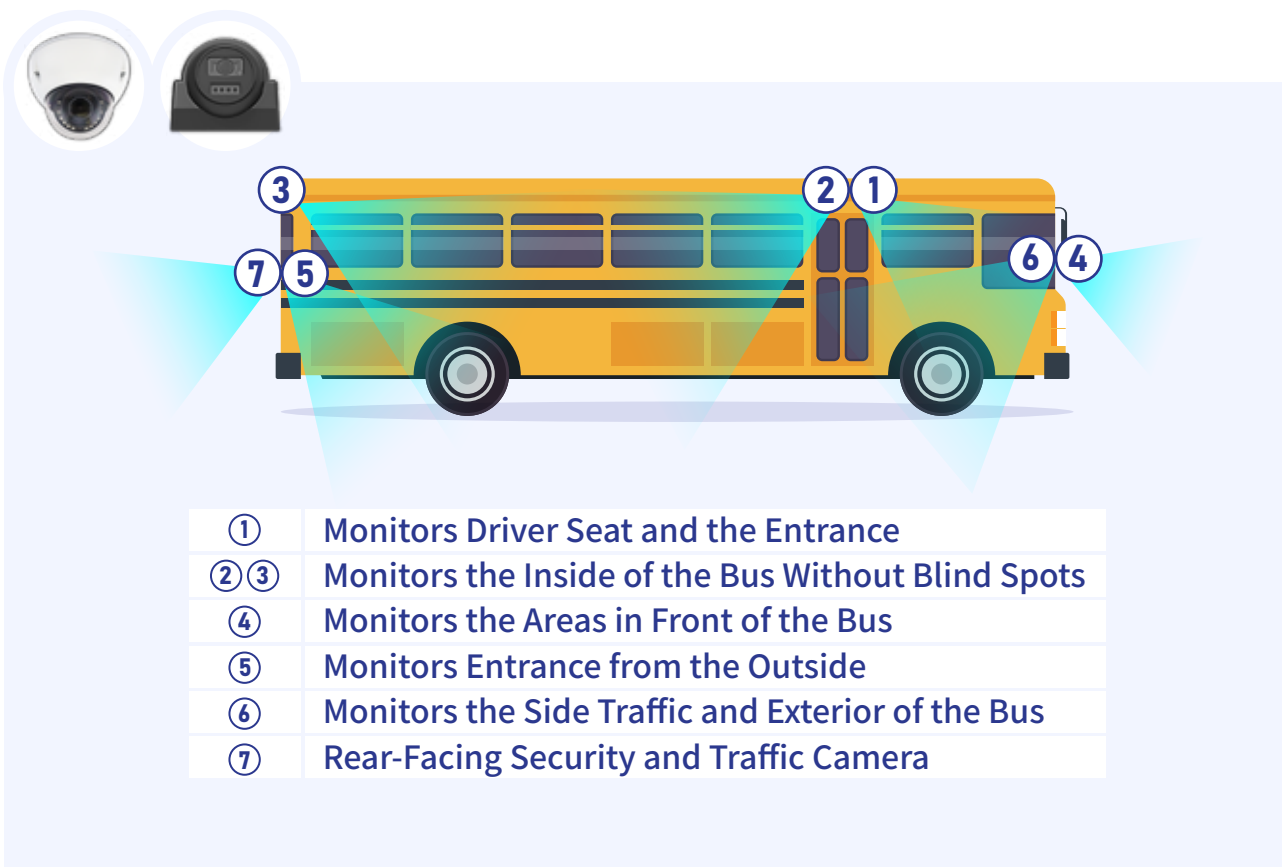
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The Intelligent School Bus Surveillance Solution will make future mobility more efficient, safer, and inclusive. The school bus is a critical component in telematics as many safety issues need to be monitored. Since the passengers are mostly teenagers, locating alone is not enough for the demands of parents and schools. As some drivers will refuse to be responsible for accidents, video and driving behavior analysis become a critical role in the school bus operation. As much as school districts can prepare for emergencies, not every situation is predictable. Sometimes the video footage from bus cameras is the only evidence of what actually happened.



# Solution

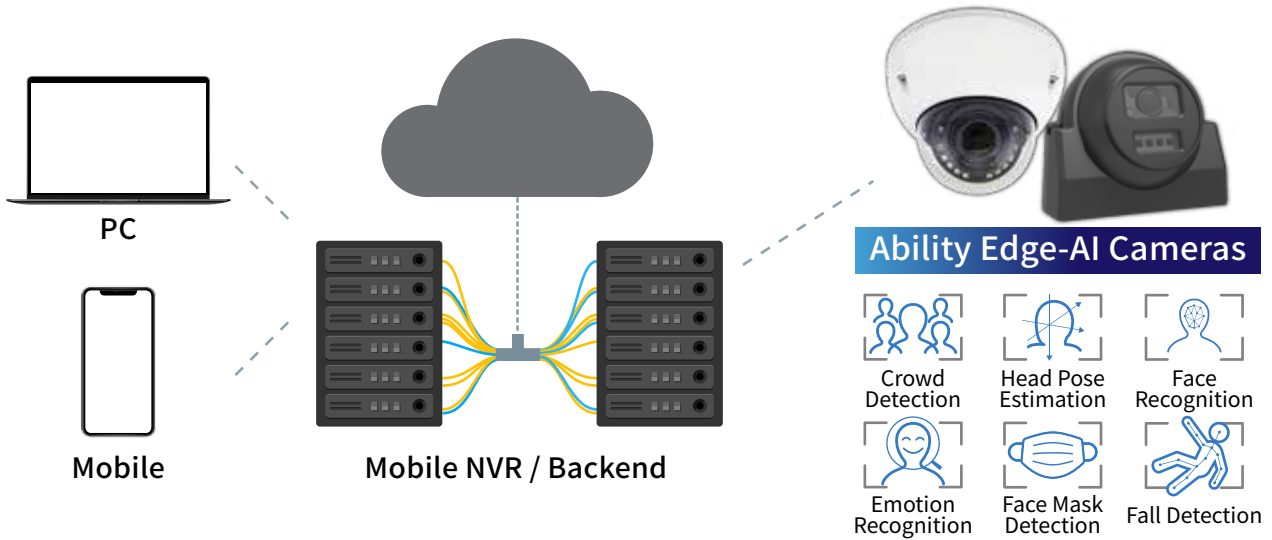
Ability's Edge-AI cameras are powered by Intel® Movidius™ Myriad™ X MA2485 VPU, support 4K@30 FPS data streaming, and are IP66 certified. AI application for The Intelligent School Bus Surveillance Solution has gained market traction in the following areas:



The safety of passengers are always a priority. These AI applications allow us to supervise drivers to prevent unsafe driving and reduce the possibility of accidents, capture the bus' s interior and exterior for comprehensive monitoring, monitor the entire vehicle, and ensure students' safety.



## System Architecture



## Result

There has been a significant increase in usage of The Intelligent School Bus Surveillance Solution across the globe as a result of an exponential rise in the popularity and use of artificial intelligence techniques in similar types of applications.

The Intelligence School Bus Surveillance Solution represents an excellent solution to many school bus security issues. With AI cameras, you can keep a close eye on students and drivers' behavior while always having footage available if there are disputes between drivers, students, and/or parents. School Bus surveillance has gained immense popularity because of its adaptability and ease of deployment, which permits better security for school buses, trucks, and public roads while providing the additional benefit of reducing liability.





## A Leading Manufacturer of AI Cameras & Sensors -Innovative ODM/OEM service provider-

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