

BUS AI MDVR

4/8-channel 1080P Mobile Digital Video Recorder



Introduction

AI MDVR is a high-definition in-vehicle video recorder designed for vehicle installation. It supports 4/8-channel 1080P analog audio and video input, with simultaneous recording and playback.

The system uses a high-speed processor and an embedded operating system, and supports advanced AI-powered video detection functions including ADAS, DMS, and BSD. It adopts H.264/H.265 video encoding and supports RJ45 connectivity as well as GPS/BD positioning technology. HDMI and VGA ports are provided for video output.

Vehicle driving information recording and wireless data upload can be integrated with a central server to enable alarm linkage, remote management, and playback analysis based on a centralized database.

Features

1. Supports up to a 1TB SD card and 4TB SSD/HDD, with dual-storage capability.
2. Professional playback and analysis software enables synchronized playback of GPS/BD tracking data, driving status, vehicle speed, audio, and video.
3. AI functions support configuration of DMS, ADAS, and BSD for up to 4 channels.
4. Supports remote system updates via the central server.
5. Equipped with LED indicators for PWR, SD/HDD, and NET status.
6. The USB port supports data import/export, system updates, and mouse connection for control.

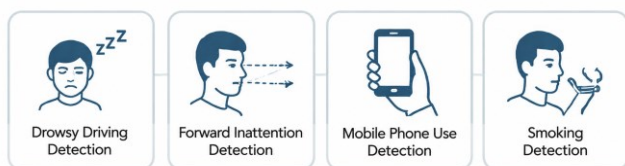
Specifications

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|--|---|
| <ul style="list-style-type: none"> ➤ Power Supply
Input Voltage: 8V-36V
Output Voltage: 12V (Max. current: 3A)
Power Consumption: < 10W
ACC detection: 9V | <ul style="list-style-type: none"> ➤ Interface
Power, VGA, HDMI, I/O, RJ45, AUDIO, VIDEO, CH1~CH8, OUT, GPS/BD antenna
Panel Lock, SD, HDD, SIM, IR, USB Port |
| <ul style="list-style-type: none"> ➤ Operation Environment
Working temperature: -30°C ~ 70°C | <ul style="list-style-type: none"> ➤ Mechanical Structure
Dimensions: 168mm x 166mm x 60mm
Net Weight: 1.6 kg |
| <ul style="list-style-type: none"> ➤ Storage
Supports up to 1TB SD card and 4TB HDD (dual storage) | |

AI Features

1. DMS (Driver Monitoring System)

Detects risky driver behaviors such as **drowsy driving, distraction, mobile phone use, and smoking** by recognizing the driver's face and eye direction. When abnormal behavior is detected, the system provides an immediate warning to help prevent accidents.



2. ADAS (Advanced Driver Assistance System)

Uses cameras to recognize the surrounding environment and provides various safety functions, including **Lane Departure Warning (LDW)** and **Forward Collision Warning (FCW)**. It helps reduce driver workload and minimize the risk of accidents.

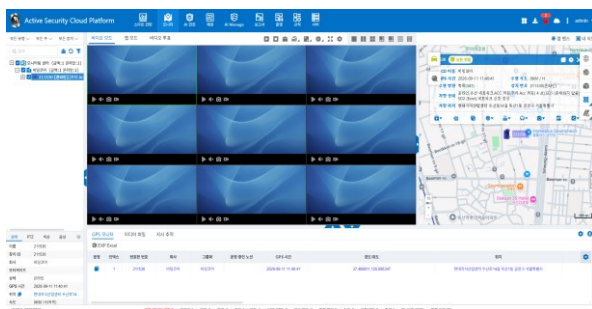


3. BSD (Blind Spot Detection)

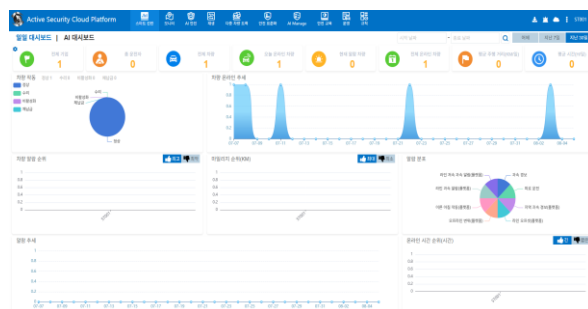
Monitors rear and side blind spots to detect approaching vehicles. The system provides warnings during lane changes, helping reduce the risk of collisions and supporting safer driving.



Central Control Server



Real-time Video and Location Tracking



Driver Behavior Statistics



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