

MDVR8208

**Mobile DVR 8-Channel 1080P GPS
4G WIFI Mobile DVR**



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AI Mobile DVR 8-Channel 1080P GPS 4G WIFI Mobile DVR

MDVR8208H AI HDD Mobile DVR8 channels with optional 1080/720P display, Integrated real-time driver monitoring(DMS), Advanced Driver Assistance Systems (ADAS), Passenger statistics, Features such as blind spot detection and multi-camera recording. The system is designed for various vehicle applications. Provide comprehensive monitoring and security solutions, Ensuring safer driving, optimizing fleet management, and taking proactive measures to mitigate risks makes it an essential tool for modern transportation needs.



Features:

- **High-Definition Recording:** Supports 8-CH 1080P AHD + 1-CH 1080P IP camera configuration.
- **Integrated AI Safety:** Fully supports ADAS, DMS, and BSD functionalities.
- **Flexible Camera Support:** Compatible with ADAS, AI face recognition, AHD, and IPC cameras.
- **Durable Design:** Features a full metal, screwless housing for superior protection and durability.
- **Advanced Compression:** Uses the latest audio and video compression technology.
- **Extensive Connectivity:** Connects to acceleration sensors, oil level monitors, control panels, and other peripherals.

Features

Specifications

Applications

Accessories

8-CH Camera

8-channel 1080P/720P/960H/D1/HD1/CIF video recording, 4-channel audio recording, compatible with ADAS cameras, AI face recognition cameras, AHD cameras, and IPC cameras. Multiple high-definition cameras, including front, side, rear and interior monitoring, are managed by a central AI-driven DVR unit. The system supports real-time video recording and analysis.

4TB HDD

A 4TB AI hard drive mobile DVR configured with four channels recording at 1080P for eight hours per day can store up to 71 days of video. With the same recording time, eight channels retain video for 35 days due to the increased data input. Reducing the daily recording time for eight channels to six hours increases retention to approximately 47 days.

Sensor

Supports a wide range of advanced peripherals, including thermal imaging PTZ cameras, fuel level sensors, temperature sensors, load cells, TPMS (tire pressure monitoring system), people counters, LED displays, RFID readers, OBD (on-board diagnostics system), and intercoms, enabling comprehensive monitoring and control to improve vehicle safety and operational efficiency.



Driver Assistance (ADAS)

ADAS intelligent assisted driving system can monitor the distance between the vehicle and the vehicle in front in real time, issue collision warnings, and remind the driver to change lanes. It will also issue warnings to the driver to ensure the driver's road safety.

Driver Monitoring System (DMS)

Driver Monitoring System (DMS) can be used in conjunction with other devices, it can detect and alert drivers to various unsafe driving behaviors, including smoking, mobile phone use, driver distraction, fatigue driving, and when the driver's face is not in the detection area.

BSD (Optional)

Optional BSD (Blind Spot Detection) can address the issue of blind spots caused by the driver's restricted rearview mirror view. It includes a pedestrian observation system, providing an additional layer of protection for the driver.



Note: Peripheral cameras are sold separately.



**8CH
(4AHD+4IPC)**



GPS/BD



Passenger Counter Sensor



**Fleet Monitoring
VIA CMS PLATFORM**



3G/4G




Advanced Driver Assistance System



**TPMS
(Tire Pressure Monitoring System)**



WI-FI Location



Driver monitoring system



Hot Imaging PTZ



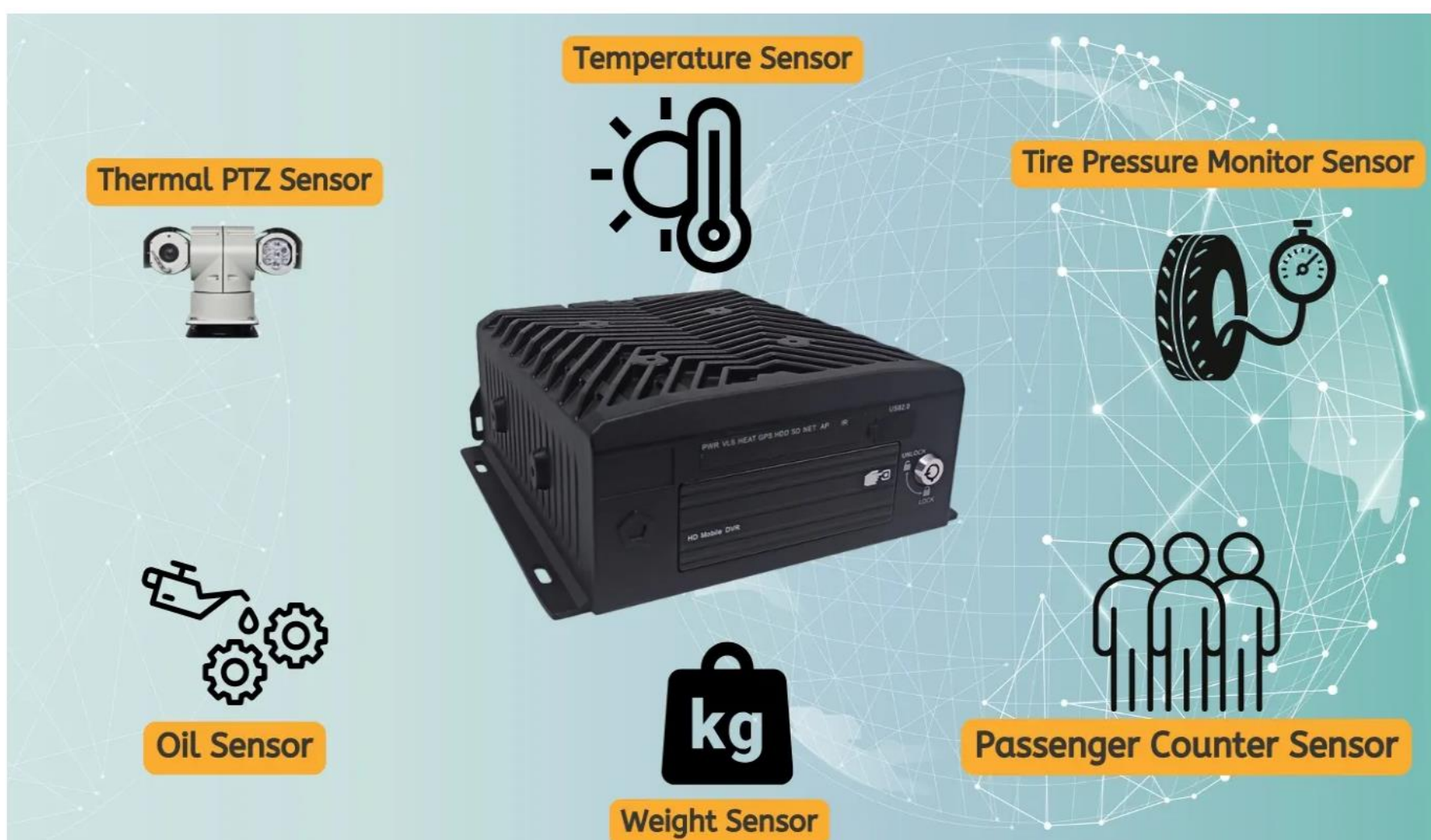
**SSD/HDD
max 4TB**



Blind spot detection system

QOHO MDVR8208H AI HDD Mobile DVR: The Intelligent Command Center for Vehicle Safety and Efficiency

Transform your fleet operations with the **QOHO MDVR8208H AI HDD Mobile DVR**, a single, powerful system that acts as your vehicle's intelligent command center. This advanced solution moves beyond simple recording by integrating a comprehensive suite of sensors—including **thermal PTZ sensors** for proactive heat detection, **driver/student card readers** for accountability, **TPMS** and **fuel level sensors** for operational health, and **passenger counting sensors** for occupancy management—to deliver unmatched **safety, efficiency, and real-time operational insights** across all your vehicles.



Features	Specifications	Applications	Accessories
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System

Language, Interface, and Power: Supports multilingual operation (English, Chinese, Hungarian, others optional) via a Graphical OSD Menu Interface, operating on **8V to 36V vehicle power** with optional **UPS support** for up to one hour of continuous runtime.

GPS-TIME

Built-in global positioning system (GPS) module and antenna can report location information to the **CMS platform** in real time to facilitate **fleet management**

Video bit rate

Video bitrate:
CIF:1536Kbps~128Kbps;
HD1/D1:2048Kbps~ 400Kbps;
960H:2048Kbps~400Kbps;
720P/1080P:4096Kbps~400Kbps

Input/Outputs

Alarm Outputs: Features **six I/O Alarm Outputs (12V/GND)** capable of receiving and being triggered by level signals, such as a vehicle's turn signal.

Power

Voltage input: +8V ~ +36V; The vehicle needs to provide a safe voltage before use; operating over 36V may damage the MDVR
Voltage output: 12V (+/-0.2V), max 3A
ACC test: ≤4V power off; ≥5V power on
Working Environment: -40°C ~ 80°C in a ventilated environment
UPS Support: Using UPS power supply, up to 1 hour

3/4G

Cellular Connectivity (Optional): Supports optional **3G/4G modules**; 3G includes **WCDMA, CDMA2000, and TD-SCDMA** (compatible with GPRS/EDGE); 4G is via an optional built-in **TDD-LTE/FDD-LTE module**.

AI feature

Advanced Camera Configuration: Channels 1-8 can be configured for **Advanced Driver Assistance Systems (ADAS), Driver Monitoring Systems (DMS), and Blind Spot Detection (BSD)** support.

Talkback

Intercom Functionality: The device supports two-way **intercom** with the **CMS platform**, allowing for mutual conversation, or can be used for **unilateral monitoring** or **broadcasting** from the platform to the vehicle.

Video

Video Specifications: Supports 8 channels (CIF up to 1080P AHD or IPC) including **ADAS/AI cameras**; uses **H.264/H.265 compression**; operates at **PAL (25 fps) or NTSC (30 fps)**; offers single or 1-4 split image viewing; and provides two video output channels.

WIFI

Wi-Fi Connectivity (Optional): The optional built-in **Wi-Fi module and antenna** simplifies MDVR menu configuration by eliminating the need for a remote control and supports efficient **wireless video downloading**.

Sensors & Interfaces

Serial Connectivity (RS232/RS485): Preset interfaces allow connection to peripherals like acceleration/oil level sensors and control panels. Full peripheral support includes **thermal PTZ cameras, oil/temp/weighing/TMPS sensors, people counting, LED panels, RFID, OBD, and intercom**.

HDD

Storage (Up to 4TB HDD): The device offers up to **4TB HDD** capacity, with retention estimates of approximately **71 days** for 4-channel 1080P recording (8 hrs/day), **35 days** for 8-channel 1080P (8 hrs/day), and **47 days** for 8-channel 1080P (6 hrs/day).

Recording

Encoding and Alarms: Utilizes ISO14496-10 video encoding with 8 selectable image quality levels (Level 1 being best); **the audio bitrate is 8 kbps**; and it features **8 alarm input channels triggered by either low voltage (<1V) or high voltage (>5V) signals**.

Communication port

Network and Data Ports: Includes **one RJ45 port** and **two USB 2.0 ports: the front for video download/firmware upgrade, and the rear for record backup/firebox connection**.

MDVR Player

Data Management & Playback: Supports **CMS platform** functionality for both **downloading and playback** of recordings and history; all stored video is in an **encrypted format** and requires the specific **MDVR player software** for successful playback.



School Bus Installation



Truck Installation



Dump Truck



Transport Bus



Fire Truck



Van

Features Specifications Applications **Accessories**



remote control



Power supply tail



I/O Alarm cable 24 Pin



video/audio output cable



1by2cable



Keys



GPS Antenna



WIFI Antenna



3/4G Antenna



Metal Cover for cables



Hand microphone (AI)



CVBS with monitor (optional)



VGA with monitor (optional)



Passenger Counter Sensor(optional)



Driver/student card reader



IP Camera

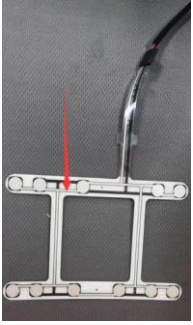


ADAS Camera



DMS Camera

RS232/485 optional peripherals:



load cell



Temperature sensor



Load cell



OBD detection line (optional)



Oil level sensor (optional)



Tire pressure sensor



People counting cameras



Thermal PTZ sensor



Driver/student card reader