

ED08R-V2 Specification

D08R | Enterprise-Grade 8-Channel MDVR System

The Ultimate High-Capacity Command Center for Large-Scale Fleets .

This Product supports :

1. 8-Channel Videos
2. ADAS & DMS & BSD
3. 2G, 3G, 4G
4. GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
5. LoRa (optional)
6. Configurator and FOTA WEB



Technical

OS	• Linux
AI Computing Power	• 2.0 TOPS NPU
Intelligent Algorithms	• ADAS/ DMS/ BSD

Video

Multi-Channel Recording	<ul style="list-style-type: none"> • 8 Channels @ 8 x 1080p • 8 Channels @ 8 x 720p (The first four channels only support mixed connections of 1080p and 720p) • H.265 & H.264 encoding
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GNSS & Cellular

Cellular	• 2G/ 3G/ 4G CAT.4
LTE Bands	<ul style="list-style-type: none"> • LTE: B2/ B4/ B5/ B12/ B13/ B14/ B66/ B71 (NA) • LTE: B1/ B3/ B5/ B7/ B8/ B20/ B28/ B38/ B40/ B41 (EU & Asia) • LTE: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B28/ B66/ B40 (AU)
Positioning System	• GPS/ GALILEO/ BeiDou/ GLONASS
LoRa	• Support LoRa (optional)
WiFi	• 2.4GHz

Electrical Specification & Sensors

Power & Consumption(Configure 8 external cameras)	<ul style="list-style-type: none"> • Input 9-36VDC • Standby: 15. 8mA@12V • Full-load: 1897mA@12V
Environmental Tolerance	<ul style="list-style-type: none"> • Operating temperature: -30°C to 80°C • Storage temperature: -40°C to 85°C
Acceleration Sensor	• 3-Axis G-Sensor
Audio(input)	• 9-channel audio,AV3-AV8,External Microphone (2200Ω/ 1.1V-6.0V)
Audio(output)	• Speaker (8Ω/ 2W)

Physical & Interface Specifications

I/O	<ul style="list-style-type: none"> • Input: VIN/ ACC/ SOS/ Left turn/ Right turn/Brake /Door sensors/ ADC1/ ADC2 / Custom High1 /Custom High2/Custom Low/One wire communication (1-WIRE) • Output: Cut off fuel circuit/ Custom Output Low • 485 (485A/ 485B/ 5V/ GND)
Device Interfaces	<ul style="list-style-type: none"> • SIM card slot (Standard SIM card) • SD card slot*1 (32GB~512GB) Above CLASS 10 • Disk *1 (128GB-2TB) • Power connector • DMS & ADAS & AV3-AV8 (AHD cameras) • 12V OUT & VGA • Microphone • TTS-Speaker • Type-C debug port • RS232 • 4G Antenna & GNSS Antenna & WiFi Antenna
Dimensions	• L170mm* W150mm* H65mm
Weight	• 1260g

LED*4

- Red/ Yellow/ Green/ Blue

AI

ADAS

- Forward Collision Warning (FCW)
- Pedestrian Collision Warning (PCW)
- Lane Departure Warning (LDW)
- Following Distance Alert
- Speeding Alert
- Harsh Braking Alert
- Harsh Acceleration Alert
- Harsh Turning Alert
- Collision Warning

DMS

- Distracted Driving
- Drowsiness Alert (Close eyes & Yawn)
- Cell Phone Use Alert
- Seat Belt Alert
- Camera Obstruction Alert
- Smoking Alert
- Driver Detection Alert

BSD

- Front Blind Spot Detection (FBSD)
- Rear Blind Spot Detection (RBSD)
- Left Blind Spot Detection (LBSD)
- Right Blind Spot Detection (RBSD)

Regulatory Compliance

Certification	• CE, FCC
Product Name	• AI MDVR
Product Code	• ED08R-V2

