

ED08R-V2 Specification

ED08R | 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
Alarm Language	• English (Support Customization)

Video

Multi-Channel Recording	• 8 Channels @ 8 * 1080p • 8 Channels @ 8 * 720p (The first four channels only support mixed connections of 1080p and 720p)
Encoding	• H.264/ H.265
Audio Format	• G.711A

GNSS & Cellular

Cellular	• 2G/ 3G/ 4G CAT.4
LTE Bands	• 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)
LORA Frequency	• 868MHz/915MHz
WiFi	• 2.4GHz



Electrical Specification & Sensors

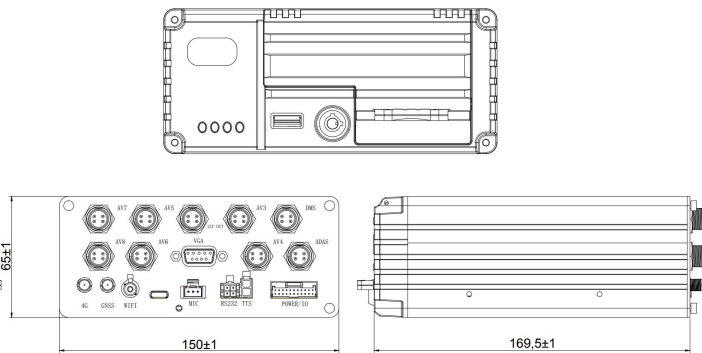
Operating Power	• 9-36V DC
Power	• @12V 1897mA(Working Mode)
Consumption(Configure 8 external cameras)	• @12V 15. 8mA(Standby Mode)
Acceleration Sensor	• 3-Axis G-Sensor
Audio(input)	• 9-channel audio,AV3-AV8,External Microphone (2200Ω/ 1.1V-6.0V)
Audio(output)	• 8Ω/ 2W Speaker

AI

ADAS	• Forward Collision Warning (FCW) • Headway Monitoring Warning (HMQ) • Lane Departure Warning (LDW) • Pedestrian Collision Warning (PCW)
DMS	• Tired Alert (Close Eyes & Yawning) • Phone Call Alert • Smoke Alert • Distracted Driving Alert • Fasten Seat Belt Alert • Infrared Blocking (Sunglasses) • Camera Blocked Alert • No Driver Detected Alert
BSD	• Rear Approach • Left Rear Approach • Right Rear Approach • Forward Approach
G-sensor	• Over Speed Alert • Harsh Braking Alert • Harsh Acceleration Alert • Harsh Turning Alert • Collision Warning

Physical & Interface Specifications

I/O	- Input: V+,ACC,SOS,Left-turn/DIN_H1,Right-turn/DIN_H2,Brake,Door sensors,ADC1,ADC2,DIN_L1,1-WIRE-Data - Output: Fuel-,Custom Output Low - RS485A,RS485B,5V OUTPUT,GND
Device Interfaces	- SIM card slot (Standard SIM card) - Power connector - Type-C debug port - SD card slot*1 (32GB~512GB) Above CLASS 10 - Disk *1 (128GB-6TB) - AHD camera port *6 - ADAS camera port - DMS camera port - RS232 port - TTS speaker port - MIC Microphone port 4G Antenna port - VGA & 12V out port - GNSS Antenna port - WiFi Antenna port
Configure	Air Config Tool/ Configurator
Working Temperature	-30°C to +80°C
Storage Temperature	-40°C to +85°C
LED	- Red:Online - Yellow:Positioning - Green:Storage - Blue:Working
Dimensions	L 170* W 150* H 65 mm
Weight	1260g



Regulatory Compliance

Certification	CE/FCC/EMARK/UKCA
Product Name	AI MDVR
Product Code	ED08R-V2

