

ED02R-V2 Specification

ED02R | Professional 4-Channel MDVR System

The Central Intelligence Hub for Advanced Fleet Safety .

This Product supports :

1. 4-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	• 2.0TOPS NPU
Intelligent Algorithms	• ADAS/ DMS/ BSD
Alarm Language	• English (Support Customization)

Video

Multi-Channel Recording	• 4 Channels @ 4*1080p/ 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

Electrical Specification&Sensors

Operating Power	• 9-36V DC
Power Consumption(Configure four external cameras)	• @12V 1041mA(Working Mode) • @12V 19.5mA(Standby Mode)
Built-in Battery	• Super capacitor
Acceleration Sensor	• 3-Axis G-Sensor
Audio(input)	• 5-channel audio,AV3,AV4,MIC, ADAS, DMS
Audio(output)	• 8Ω/2W Speaker

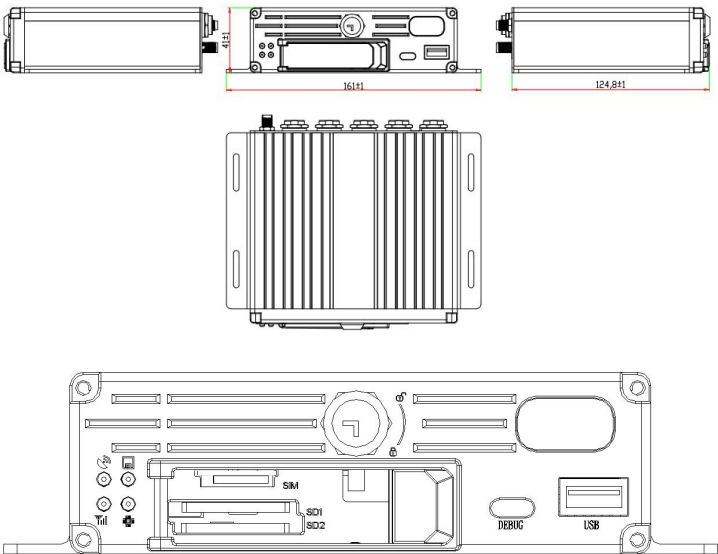
AI

ADAS	• Forward Collision Warning (FCW) • Headway Monitoring Warning (HMW) • 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,ADC1,ADC2, Left-turn/DIN_H1,Right-turn/DIN_H2,DIN_L1,GND, 1-WIRE-Data,Brake,Door sensors Output: 5V OUTPUT,Custom output low,Fuel-RS485A,RS485B,GND,5V OUTPUT
Device Interfaces	SIM card slot (Nano SIM) Power connector Type-C debug port SD card slot *2 (32GB~512GB) Above Class 10 AHD camera port *2 ADAS camera port DMS camera port RS232 port TTS speaker port MIC microphone port VGA & 12V out port 4G Antenna port GNSS 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 161* W 124.8* H 41mm
Weight	558g

Appearance



Regulatory Compliance

Certification	CE/FCC/NBTC/EMARK/UKCA
Product Name	AI MDVR
Product Code	ED02R-V2

