

DR03 Specification

DR03 – 3 CH AI | Versatile Modular Dashcam
The Ultimate in Flexibility and Scalability

This Product supports:

1. 3-Channel Videos
2. ADAS & DMS (Built-in)
3. 4G CAT.4
4. GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
5. Configurator and FOTA WEB



Technical

OS	• Linux
AI Computing Power	• 1.0 TOPS NPU
Intelligent Algorithms	• ADAS/ DMS
Alarm Language	• English (Support Customization)

Video&Audio

Multi-Channel Recording	• 3 Channels @ 2*1080p + 1*1080p/ 720p
ADAS Camera (Forward view)	• 1080P • 2MP • FL 6.0mm • FNO 2.0 • FOV : D=64° H= 47° V=29°V
DMS Camera (In-cabin view)	• 1080P • 2MP • FL 3.0mm • FNO 1.8 • FOV : D=138° H= 110° V= 59°
Encoding	• H.264
Audio Format	• G.711A

GNSS&Cellular

Cellular	• 4G CAT.4
LTE Bands	• LTE: B1/ 2/ 3/ 4/ 66/ 5/ 7/ 8/ 20/ 28(28A/28B)/ 38/ 40/ 41
Positioning System	• GPS/ GALILEO/ BeiDou/ GLONASS
Tracking Sensitivity	• -165dB
Capture Sensitivity	• -159dB
Position Accuracy	• <2.0m CEP
Hot Start	• <6s
Cold start	• <11s
LORA	• Support LORA (optional)

Electrical Specification&Sensors

Power & Consumption(Main unit only, No External Camera)	• Input 9-36V DC • Standby: 4.7mA@12V • Full-load: 390.3mA@12V
Built-in Battery	• 400mAh 3.2V LiFePO4
Acceleration Sensor	• 3-Axis G-Sensor
Audio	• Built-in microphone and 4Ω / 1.5W 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
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,ADC, Left turn/DIN_H1, Right turn/DIN_H2, GND - Output:Fuel -
Device Interfaces	- SIM Card slot (NANO SIM) - Power Connector - Type-C debug Port - Type-C DMS Camera port 2.5mm Camera(AHD) port - TF Card slot *1 (32GB~512GB) Above CLASS 10
Configure	Air Config Tool/Configurator
Working Temperature	-25°C to +75°C
Storage Temperature	-40°C to +85°C
LED	- Red:Online - Green: Recording
Button*2	VOL/ SOS
Dimensions	L 139.8* W 28* H 41mm
Weight	208g

Regulatory Compliance

Certification	CE
Product Name	AI Dashcam
Product Code	DR03

Appearance

Unit:mm

