

EH80 Specification

EH80 is an AOV (Always-On-Video) dashcam equipped with 4G communication, positioning and video processing.

This Product supports:

1. Single-Channel Video
2. 4G CAT.1
3. Starlight night vision
4. AOV Mode: Human & Vehicle Detection (Low Power Monitoring)
5. GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
6. Configurator and FOTA WEB
7. LORA (optional)

**Low power consumption:
6.5mA@12V**



**AOV
24-hours
recording**

Technical

OS	• Linux
AI Computing Power	• 1.0 TOPS NPU

Video

Recording	• 1 Channel @ 1*1080p
Camera	• 1080p • 2MP • FL 3.2mm • FNO 1.0 • FOV : D=130.5° H=109.4° V=58.5° • Starlight
Encoding	• H.264/ H.265
Audio Format	• G.711A

Electrical Specification&Sensors

Operating Power	• 9-90V DC
Power Consumption	• @12V 130mA(Working Mode) • @12V 6.5mA(AOV mode)
Built-in Battery	• 400mAh 3.2V LiFePO4 battery
Acceleration Sensor	• 3-Axis G-Sensor
Audio	• Built-in microphone and 4Ω / 1.5W speaker

GNSS&Cellular

Cellular	• 4G CAT.1
LTE Bands	• LTE: B1, B2, B3, B4/66, B5, B7, B8, B20, B28, B38/B41 (EU) • LTE: B2, B4/66, B5, B12, B17, B1, B38, B41 (NA)
GNSS	• GPS / GALILEO /BeiDou / GLONASS
Tracking Sensitivity	• -165dB
Capture Sensitivity	• -159dB
Position Accuracy	• <2.0m CEP
Startup Time	• <30s
LORA	• Support LORA(optional)
LORA Frequency	• 868MHz/915MHz

AI

AOV (Low Power Monitoring)	• Support humans and vehicles detection (AOV Mode Only)
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I/O	• Input: V+ACC,GND,SOS,ADC,DIN_H1 • Output: Fuel-
Device Interfaces	• SIM card slot (Micro SIM) • Power connector • Type-C debug port • TF slot*1 (32-512GB) Above CLASS 10
Configure	• Air Config Tool/ Configurator
Working Temperature	• -20°C to +70°C
Storage Temperature	• -40°C to +85°C
LED	• Red:Online • Green:Storage
Dimensions	• L 96* W 43* H 81 mm
Weight	• 162g

Certification	• CE
Product Name	• AOV Dashcam
Product Code	• EH80

