

EH21 Specification

EH21 is an AI dashcam with a single channel equipped with 4G communication, positioning and video processing.

This Product supports:

1. Single-Channel Video
2. ADAS
3. 4G CAT.1
4. GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
5. LoRa (optional)
6. Configurator and FOTA WEB



Technical

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

Video

Recording	• 1 Channel @ 1*1080p
ADAS camera	• 1080p • 2MP • FL 3.6mm • FNO 2.0 • FOV : D=80° H=64° V=39°
Encoding	• H.264/ H.265
Audio Format	• G.711A

Electrical Specification & Sensors

Operating Power	• 9-36V DC
Power Consumption	• @12V 184mA(Working Mode) • @12V 4.6mA(Standby Mode)
Built-in Battery	• 400mAh 3.2V Lithium battery
Acceleration Sensor	• 3-Axis G-Sensor
Audio	• Built-in microphone and 4Ω / 2W speaker

GNSS & Cellular

Cellular	• 4G CAT.1
LTE Bands	• LTE: B1, B2, B3, B4, B5, B7, B8, B20, B28, B66, B38, B41 (EU) • LTE: B2, B5, B12, B17, B13, B66, B38, B41 (NA)
Positioning System	• 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

ADAS	• Forward Collision Warning (FCW) • Headway Monitoring Warning (HMW) • Lane Departure Warning (LDW) • Pedestrian Collision Warning (PCW)
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 - TF slot*1 (32GB~512GB) Above Class 10
Configure	Air Config Tool/ Configurator
Working Temperature	-30°C to +80°C
Storage Temperature	-40°C to +85°C
Dimensions	L117* W62* H45 mm
Weight	145g
LED	- Red:Online - Green:Storage - Yellow:Positioning

Regulatory Compliance

Certification	CE
Product Name	AI Dashcam
Product Code	EH21

Appearance

