

# EH27 Specification

EH27 is a 4G intelligent remote monitoring device built with AOV low-power mode. Enabling 24/7 unattended surveillance and smart security alerts, it meets vehicle, asset, fleet and logistics monitoring needs for indoor and outdoor use. With low power consumption, smart detection, flexible installation and outdoor durability, it delivers lightweight, adaptable and stable visual monitoring for commercial security and mobile asset supervision.

This Product supports:

- 1.Low Power | 24/7 Uninterrupted Monitoring
- 2.4G & Positioning
- 3.Starlight Night Vision with Smart Fill Light
- 4.Human & Vehicles & Motion Detection
- 5.IP67 Rated



**Low power:**  
as low as 6.5mA

## Technical

|                    |                |
|--------------------|----------------|
| OS                 | • Linux        |
| AI Computing Power | • 1.0 TOPS NPU |

## Video

|              |                                   |
|--------------|-----------------------------------|
| Recording    | • 1 Channel @ 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 84.9mA(Working Mode)    |
|                     | • @12V 8mA(AOV mode)           |
| Built-in Battery    | • 400mAh 3.2V LiFePO4 battery  |
| Acceleration Sensor | • 3-Axis G-Sensor              |
| Audio               | • Built-in microphone          |
|                     | • Buzzer:                      |
|                     | sound intensity 100 dB @ 10 cm |

## GNSS&Cellular

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Cellular             | • 4G CAT.1                                               |
| LTE Bands            | • LTE: B1, B2, B3, B4/B66, B5, B7, B8, B20, B28, B38/B41 |
| WiFi                 | • 2.4G WiFi(Optional)                                    |
| WiFi Model           | • AP                                                     |
| GNSS                 | • GPS / GALILEO /BeiDou / GLONASS                        |
| Tracking Sensitivity | • -165dB                                                 |
| Capture Sensitivity  | • -159dB                                                 |
| Position Accuracy    | • <2.0m CEP                                              |
| Startup Time         | • <30s                                                   |

## AI

|               |                     |
|---------------|---------------------|
| AOV Mode only | • Human Detection   |
|               | • Motion Detection  |
|               | • Vehicle Detection |

Physical & Interface Specifications

|                     |                                                                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O                 | <ul style="list-style-type: none"><li>Input: V+,ACC,GND,5V_OUTPUT,RS232_RX,Fuel-,ADC</li><li>Output: RS232_TX</li></ul>                                                |
| Device Interfaces   | <ul style="list-style-type: none"><li>SIM card slot (Nano SIM)</li><li>Power connector</li><li>Type-C debug port</li><li>TF slot*1 (32-512GB) Above CLASS 10</li></ul> |
| Configure           | <ul style="list-style-type: none"><li>Air Config Tool/ Configurator</li></ul>                                                                                          |
| Working Temperature | <ul style="list-style-type: none"><li>-20°C to +70°C</li></ul>                                                                                                         |
| Storage Temperature | <ul style="list-style-type: none"><li>-40°C to +85°C</li></ul>                                                                                                         |
| Dimensions          | <ul style="list-style-type: none"><li>99.9L *97.3 W *108.4 H mm</li></ul>                                                                                              |
| Weight              | <ul style="list-style-type: none"><li>300g</li></ul>                                                                                                                   |

Regulatory Compliance

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Certification | <ul style="list-style-type: none"><li>CE/FCC</li></ul>      |
| Product Name  | <ul style="list-style-type: none"><li>AOV Dashcam</li></ul> |
| Product Code  | <ul style="list-style-type: none"><li>EH27</li></ul>        |

Appearance

Unit: mm

