SenseCAP A1101
LoRaWAN Vision AI Sensor

Specifications

Vision AI
- ML Framework: TensorFlow Lite/PyTorch
- AI Hardware Acceleration: 400Mhz DSP
- Model Resolution: 192x192 pixel

Camera
- Field of view: Diagonal 82°
- Camera Resolution: 30W pixel

General Parameters
- Product Model: A1101
- Microcontroller: Wio-E5
- Support Protocol: LoRaWAN v1.0.3 Class A
- Built-in Bluetooth: App Tool to change parameters
- LoRaWAN Channel Plan: IN865/EU868/US915/AU915/AS923/KR920/RU864
- Max Transmitted Power: 19dBm
- Sensitivity: -136dBm@SF12 BW=125KHz
- Communication Distance: 2 to 10 km (depending on gateway antenna and environments)
- IP Rating: IP66
- Operating Temperature: -40 to +85 °C
- Operating Humidity: 0 to 100 %RH (non-condensing)
- Device Weight: 280g
- Certification: CE / FCC / RoHS

Battery (Contained in equipment)
- Battery Life: Varies depending on model and recognition wake frequency
- Battery Capacity: 19Ah (non-rechargeable)
- Battery Type: Standard D-size SOCi2 Battery

Dimension

[Image of dimensions diagram]