



SenseCAP A1101

LoRaWAN Vision AI Sensor

Specifications

Vision AI	
ML Framework	TensorFlow Lite/PyTorch
AI Hardware Acceleration	400Mhz DSP
Model Resolution	192*192 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

