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INDUSTRIAL PRODUCT DATASHEET

SenseCAP A1101 - LoRaWAN Vision AI Sensor, Open the Door to the TinyML world

SenseCAP A1101 - LoRaWAN Vision AI Sensor is a TinyML Edge AI enabled smart image sensor.

SKU	UPDATED	PRICE
101990962	2026-11-11 09:59:01	$83.00(Excl. VAT)



Overview



SenseCAP A1101 - LoRaWAN Vision AI Sensor is a TinyML Edge AI enabled smart image sensor. It supports a variety of AI models such as image recognition, people counting, target detection, meter recoignition etc. It also supports training models with TensorFlow Lite. [image]

Key Features

01 **Ultra-Low Power and Powerful Himax Camara**

400Mhz DSP, Maximum camera frame rate 640*480*VGA 60 FPS, Local inferencing

02 **Low Power and Long Range Transmission**

Down to 2.3uWh sleep mode power consumption, powered by Wio-E5 LoRaWAN Modules, transfers data up to miles

03 **High Data Security by Edge Computing**

Local image inferencing and transfers the final result data to the Cloud, suitable for applications that require limited data transmission and high data privacy.

04 **Easy to Visualize Data**

Few clicks to display and manage data via SenseCAP Mate App and SenseCAP Dashboard, wide compatibility with other third-party tools

05 **High Industrial Protection Grade**

-40 ~ 85℃ operating temperature and IP66 rating, suitable for indoor and outdoor deployment

06 **Easy for Scalable Deployment**

1min to add and configure the device by scanning the device QR code, low LoRaWAN network cost and maintenance cost ensure business scalability.

Product Gallery









Resource Links

- https://www.seeedstudio.com/SenseCAP-A1101-LoRaWAN-Vision-AI-Sensor-p-5367.html
- SenseCAP A1101 LoRaWAN Vision AI Sensor Specification
- SenseCAP A1101 LoRaWAN Vision AI Sensor User Guide
- SenseCAP S210X LoRaWAN Sensor Catalogue
- FAQ for SenseCAP A1101 LoRaWAN Vision AI Sensor
- TinyML Case Studies
- 3D Printing "Case" Studies

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