

LoRaWAN People Flow Counting Sensor

PF52



Retail Analytics



Public Space Monitoring



Smart Building Management



Workplace & Office Optimization

OVERVIEW:

The PF52 LoRaWAN AI People Counter redefines remote monitoring by merging edge AI vision with LoRaWAN connectivity. Designed for continuous operation with external power, it delivers a robust, maintenance-free solution for accurate 24/7 people counting in fixed installations.

Its core innovation is **on-device AI processing**. The sensor analyzes video locally to count people, outputting only anonymous data. This ensures both high accuracy and inherent privacy protection, as no images or personal data are ever stored or transmitted over the network.

The combination of **AI intelligence** and **LoRaWAN's long range** provides unparalleled deployment flexibility. You gain the precision of a visual counter without the need for Wi-Fi or complex wiring, making it ideal for providing reliable, data-driven insights into foot traffic and occupancy across vast or hard-to-reach areas.

Features:

- **Accurate AI Counting:** Advanced algorithm ensures precise, trustworthy people count data.
- **Built-in Privacy:** Processes video locally and outputs only anonymous counts - no images are ever stored or transmitted.
- **Long-Range Connectivity:** Leverages LoRaWAN® to transmit data over kilometers, going far beyond Wi-Fi range limitations.
- **Continuous Operation:** Designed for external power supply, enabling maintenance-free, 24/7 operation in permanent installations.

Specification:

Camera Spec:

- Angle: 110°
- Image size: 64kb
- Image resolution: 640x480
- Power Consumption: 206.1mW
- Supply Voltage: DC5V
- Idel Mode: 6uA
- Take Photo: 41.22 mA and 3171 ms
- Cable Length: 150cm
- Dimension: 46.2x29x13.8 mm
- Waterproof level: IP52

Applications:

- Retail Analytics
- Smart Building Management
- Public Space Monitoring
- Workplace & Office Optimization
- Security & Access Monitoring

Order Info:

Part Number: PF52-XX

XX: The default frequency band

- Frequency Bands, options: CN470/EU433/KR920/US915/EU868/AS923/AU915/IN865

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