

Specification

IR People Counter

FP111 (WiFi Version)

Version V1.4

❖ Product Introduction

The IR people counter FP111 (WiFi version) is mainly based on infrared blocking counting. The infrared receiving module automatically identifies the walking direction of pedestrians by the infrared blocking direction and generates a count. It is widely used in shopping malls, retail stores, public transportation, scenic spots, libraries, museums, restaurants, factories, supermarkets, parks, buildings, toilets, etc.

❖ Product Features

- ◆ **Accurate Counting in Multiple Scenarios:** Supports accurate counting of single people walking normally, passing quickly, and elderly people walking slowly.
- ◆ **Simple Installation Experience:** Supports WiFi 2.4G/5G networks. After configuration, just paste the pairing code and use it. There is no entry level to operation.
- ◆ **Flexible Power Supply Options:** It has four built-in 18650 batteries and supports Type-C interface charging and external power supply (5V/2A adapter not included).
- ◆ **Convenient App Management:** Once the device is connected to Bluetooth, you can upgrade to the latest version with a single click in the app. If a device malfunctions, you can also perform a one-click self-diagnosis.
- ◆ **App Data Query:** In standalone mode, you can query multi-dimensional data (hourly data for the last 720 hours, daily data for the last 730 days, weekly data for

100 weeks, monthly data for the last 120 months, and annual data for the last 10 years) through the mobile app, and support exporting to CSV files.

- ◆ **Remote Data Control:** View data anytime on the remote platform, eliminating the need for on-site visits. Multi-timeframe statistics are supported (with a free cloud platform, data can be viewed every 5 minutes, half an hour, hour, day, week, month, and year), and reports can be generated or exported to Excel.
- ◆ **Flexible Operating Modes:** The device can freely switch between standalone and networked modes to meet the needs of different scenarios.
- ◆ **Open Interconnection:** Third-party integration protocols are available, allowing data to be pushed to any server.
- ◆ **Convenient Remote Operation:** Multiple key parameters are automatically synchronized with the cloud, allowing users to remotely configure the device through the cloud platform for more efficient management.
- ◆ **Real-time Data Upload:** Supports custom upload intervals (real-time, 1 minute, 5 minutes, 30 minutes, etc.), data transmission is stable and reliable, supports resume upload after network interruption, and there is no risk of privacy leakage.
- ◆ **Strong Anti-Interference Capability:** Supports normal operation with ESA alarms and other infrared bands.

❖ Product Structure

- Product Images



• Product Accessories



3M Adhesive *4



Charging Cable *2



Quick Guide *1

⚠ The device contains 4 18650 batteries.

⚠ If any of the above items are damaged or lost, please contact your supplier in a timely manner.

❖ Product Parameters

Product Model	FP111
Infrared operating frequency band	860nm 180hz~240hz
Mounting Method	Fixed installation on the same horizontal line on both sides of the aisle
Detection Range	<Short Range> 1m-10m indoors, 1m-6m outdoors
	<Medium Range> 1m-12m indoors, 1m-8m outdoors
	<Long Range> 1m-15m indoors, 1m-9m outdoors
Accuracy	Under standard conditions, the normal entry and exit rate for a single person is as high as 97%.
Mounting Height	1.2m-1.4m
Power	0.0004W~3.7W
Power Supply	3.7V lithium battery (3500mAh)/Type-c wired power supply(5V2A)
Communication Method	Wi-Fi (2.4Ghz/5Ghz); Bluetooth 5.1
Addressing	DHCP/Static

Data Upload Method	HTTP JSON
Offline Caching	3,400 records
Battery Life	1 year (recording cycle 5 minutes/upload cycle 5 minutes)
Working Environment	Operating temperature (-20°C to 55°C)
	Operating humidity (10% to 80% RH (non-condensing))
	Storage temperature (-40°C to 70°C)
	Storage humidity (5% to 90% RH (non-condensing))
Product Dimensions (mm)	78 x 64 x 30, Weight (Kg): 0.15/set
Packaging Dimensions (mm)	240 x 100 x 95, Weight (Kg): 0.5/set (including accessories)
Outer Carton Dimensions (mm)	500 x 500 x 250 (full case can hold 20 set); Weight (Kg): 11/case
Product Certificates	CE/FCC/RoHs /Quality Inspection Report/1.2m Drop Test Report/Appearance Patent/Utility Model Patent

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