

# Specification

## IR People Counter

FP110 (Standalone Version)

Version 2025-1.2

### ❖ Product Introduction

The IR people counter FP110 (standalone 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:** After configuration, simply paste the pairing code and start using it. Operation is effortless.
- ◆ **Flexible Power Supply Options:** Supports Type-C interface power supply and battery charging; comes standard with 4 18650 batteries, which can be used continuously for up to one year.
- ◆ **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:** 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.

- ◆ **Strong Anti-interference Ability:** Supports normal operation under ESA alarms and other infrared bands.

## ❖ Product List

### • Product Images



### • Product Accessories



18650 batteries \*4



3M adhesive \*4



Charger \*1



Quick Guide \*1

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

## ❖ Product Parameters

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| Product Model                     | FP110                                                                                               |
| 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~0.04W                                                                                       |
| Power Supply                      | 3.7V lithium battery (3500mAh)/Type-c wired power supply                                            |
| Communication Method              | Bluetooth 5.1                                                                                       |
| Data Upload Method                | /                                                                                                   |
| Data Storage                      | 720 hours / 730 days / 120 months / 10 years                                                        |
| Battery Life                      | 1 year                                                                                              |
| 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 |

| Website                                            | Technical Support                                    | Sales hotline   | Online purchase                                                        |
|----------------------------------------------------|------------------------------------------------------|-----------------|------------------------------------------------------------------------|
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