Infrared People Counter
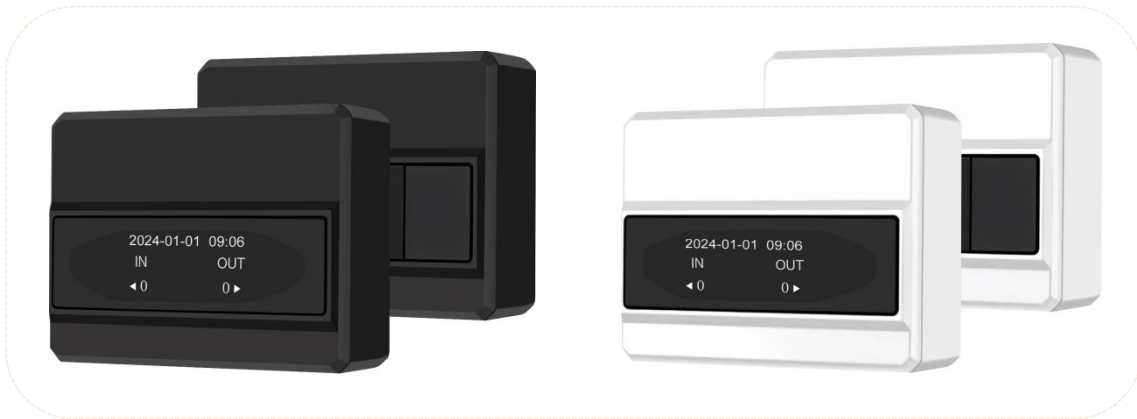## HX-HE2(186)

Specification

❖ Product Introduction

Infrared people counter is mainly used for accurate statistics and management of entrance and exit traffic. The device consists of two parts: the transmitter and the receiver. It uses infrared blocking technology. When pedestrians or objects pass through the monitoring area, it instantly triggers automatic counting, realizing seamless statistics in both directions and ensuring accurate data.

Supports 2.4GHz/5GHz dual-band WiFi transmission, ensuring that data transmission can maintain excellent stability and efficiency in different network environments. It also has the function of resuming transmission after network interruption, which can safely store data even if the network is interrupted, and upload it immediately after the network is restored to ensure that data is not lost. Users can easily access data remotely anytime and anywhere through the cloud platform or exclusive mini-programs, and conduct in-depth statistics, analysis and efficient management.

The equipment is powered by batteries. The installation process is simple and quick. No complicated wiring is required. It is plug-and-play, which greatly saves time and cost. It is compact, simple and stylish in design. It offers classic black and white color options, which can perfectly blend into various environments without destroying the beauty and harmony of the place.

It is widely used in shopping malls, retail stores, tourist attractions, libraries, museums, restaurants, factories, supermarkets, smart parks, office buildings, public toilets and other scenarios . The infrared people counter is a powerful assistant to improve operational efficiency, optimize customer experience, and achieve accurate traffic

management. At the same time, the device provides an open API protocol, supports deep customization and secondary development, and meets the diverse needs of users.

❖ Product Features

◆ **Intelligent two-way statistics:** Accurately identify the direction of pedestrians entering and exiting, realize two-way independent counting, and make the data more segmented and accurate.

◆ **Minimalist installation experience:** Say goodbye to tedious wiring and drilling, just configure the network simply, install it with 3M super glue, pair it easily, and start using it immediately.

◆ **Flexible power supply options:** Provides a 2000mAh large-capacity battery with a battery life of up to 3-6 months, and supports Type-C interface power supply to meet the needs of different scenarios.

◆ **WiFi data transmission:** Suitable for WiFi 2.4GHz/5GHz frequency network environment, dual-band use, can flexibly respond to network requirements in different scenarios, ensuring stable and efficient data transmission **.**

◆ **Remote data control** : Equipped with a free cloud platform, you can view real-time and historical data through the cloud platform anytime and anywhere, support multi-dimensional data query, and help make decisions more intelligently. (The cloud platform supports viewing data every 5 minutes, every half hour, every hour, every day, every week, every month, and every year, and supports data query for different architectures, such as single device, single store, multiple stores, regions, etc.)

◆ **In-depth passenger flow analysis:** The cloud platform provides a wealth of passenger flow analysis reports, including festivals, KPIs, peaks and low peaks and other key indicators, presented in visual charts and supported by EXCEL export for further analysis.

◆ **Local data query:** supports viewing data on the device screen and web page; the device screen can view historical data for the past **730 days, 36 months, and 10 years** ; the mobile phone can view data on the WEB page after connecting to the device's AP, and the WEB page can view the cumulative data for the past **730 days, 100 weeks, 36 months, and 10 years** .

◆ **Open docking capability:** Provides TCP protocol and **SDK data packets** to easily connect device data with various servers, supporting deep customization and secondary development.

◆ **Convenience of remote operation:** Multiple key parameters are automatically synchronized with the cloud, and users can remotely set up devices through the cloud platform for more efficient management.

◆ **Worry-free data transfer when the network is disconnected:** Built-in offline cache mechanism automatically stores data when the network is disconnected, and can store up to 1720 records to ensure that no data is missed and safe.

❖ Product Parameters

Product Model	HX-HE2(186)
Installation	Fixed installation on the same horizontal line on both sides of the channel
Detection Range	< Close distance > 1m-4m indoors, 1m-2m outdoors
	<Medium distance > 1m-8m indoors, 1m-6m outdoors
	< Long distance > 1m-12m indoors, 1m-8m outdoors
Accuracy	≥90% under standard environment
Installation Height	1.0m - 1.2m
Power Supply Mode	Support 18500 battery power supply (2.8V-4.2V)
	Support Type-C interface to power the whole device (5V0.5A-2A)
Communication	WiFi (2.4GHz, 5GHz)
Data Upload Method	TCP
Offline Cache	1720 items
Local Storage	Nearly 730 days, 36 months, 10 years

Transmitter Battery Life	<Close distance> Single tube 8 months, double tube 5 months
	<Medium distance > 5 months for single tube, 3 months for double tube
	< Long distance > Single tube 2 months, double tube 1 month
	Factory default: < Medium distance > double tube
Receiver Battery Life	Business hours: 12 hours / 1,200 people in and out / 5 minutes for uploading / 1 minutes for recording / 2 months for battery life
	Business hours: 12 hours / 1,200 people in and out / upload interval: 10 minutes / recording cycle: 5 minutes / battery life: 5 months
	Business hours: 12 hours / 1,200 people in and out / 30 minutes for uploading / 5 minutes for recording / 6 months for battery life
	Business hours: 12 hours / 1,200 people in and out / 30 minutes for uploading / 30 minutes for recording / 9 months for battery life
	It is recommended to set the business hours to 8 hours, the upload interval to 10 minutes, and the recording period to 5 minutes.
Work Environment	Operating temperature (-20°C~55°C)
	Working humidity (10~80%RH (non-condensing))
	Storage temperature (-40°C~70°C)
	Storage humidity (5~90% RH (non-condensing))
Product Specifications	Dimensions (mm): 65 x 50 x 25 Net weight (g): 76
Packing Specifications	Dimensions (mm): 185 x150 x 67, Weight (g): 460 (including accessories)
Outer Box Specifications	Size (mm): 390x370x325 (20 units per box), Net weight (Kg): 9.88/box
Product Related Certificate Name	CE/FCC/RoHs /Quality Inspection Report/1.2m Drop Test Report/Appearance Patent/Utility Model Patent