

HPC015D People Counter Data Export Manual

1. Dial Switch

When the device is powered by battery, both switch V and B are ok. If powered by USB port, the switch V is a must.



2. USB Connection

When people counter is connected to the computer via USB, the people counter screen displays "USB Conn OK" and the people counter is in transfer mode. If the client program is not started within 1 minute, the counter will exit the USB connection state. The USB interface can be re-plugged to put the counter into transfer mode.



3. Software

The screenshot shows a software configuration window with the following elements:

- Device SN:** A text input field.
- Version:** A text input field.
- Save Interval(s):** A dropdown menu.
- Dynamic save:** A checkbox.
- Probe Speed:** A dropdown menu.
- Work Period:** A time selection field (HH:MM -> HH:MM).
- Equipment time:** A date and time field showing "2019-10-23 15:38:05".
- Number of caches:** A table with two columns: "Total" and "Exported". The "Exported" value is "0".
- Buttons:** "Read Config" (blue), "Write Config" (blue), "Clr Cache" (red), "Export" (green), "Again Export" (grey), "Cache Directory" (grey), "CLR" (grey), and "LOG" (grey).
- System information:** A large text area at the bottom.

Read Config button is used to read the current working parameters in the people counter;

Write Config button is used to write the parameters that set by the software to the people counter and save the parameters;

Clr Cache button is used to clear all saved records in the people counter;

Export button is used to export all the records saved in the people counter to the computer;

Again Export button can clear the exported data, so that all records saved in the people counter can be exported to the computer again.

Cache Directory button can open the export file directory;

Curr Datetime button will calibrate the computer current time to counter time, and click "Write Config" to take effect;

3.1 Device SN

Used to distinguish different people counters, each people counter has a unique SN number.

3.2 Version

Version number used by the people counter.

3.3 Save Interval (s)

People counter keeps a record at intervals, and records the sum of the people flow data during the time period.

For example, the save interval is selected as "1 hour".

Then, according to the business start time, the people counter will save a record

every one hour in a fixed period, and the recorded people flow data is the sum of the data in this hour range.

When "Dynamic save" is selected, only the time period in which the people flow data is generated will be recorded and saved, and the time period in which the passenger flow data is not generated will not be saved.

3.4 Probe Speed

The target detection speed mode currently set by the people counter needs to be consistent with the mode of the transmitter.

There are 2 type speed modes: One is low speed mode, another is high speed mode. The default is low speed mode.

Under low speed mode: The maximum speed of detectable pedestrians is 15km/h, and normally most of pedestrians walk at a speed of 10km/h, so this speed mode could meet the detection of walking speed of most people, but if the pedestrian speed exceeds maximum speed will not be detected. However this model could help reduce the power consumption of the counter to increase battery life.

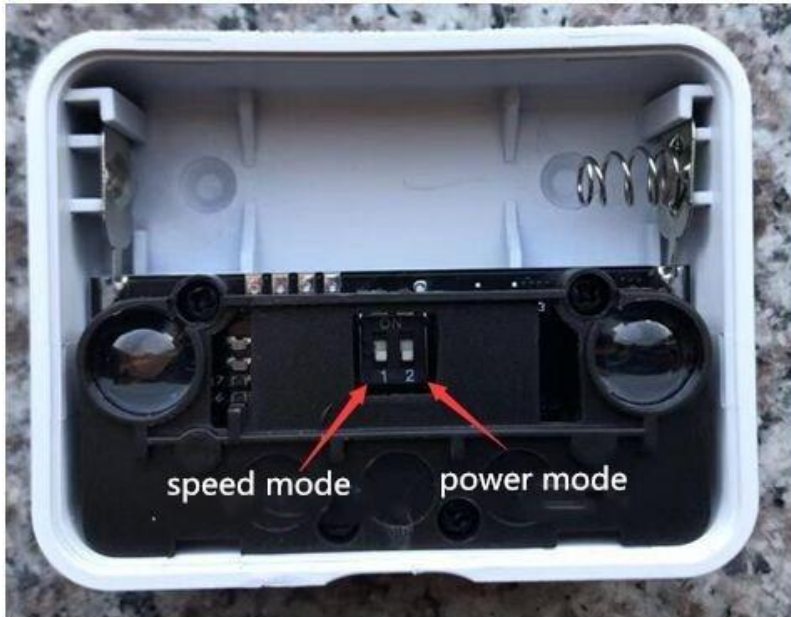
Under high speed mode: The maximum speed of detectable pedestrians is 25km/h, which can detect pedestrians passing by jogging, but if speed exceeds the maximum speed will not be detected. Choose this speed mode will increase the power consumption of the counter, resulting in shorter battery life

The working mode of people counter will displayed on the counter LCD screen when it is turned on:



LO means Low speed Hi means : High speed

According to the working mode of people counter, the working mode of the transmitter sensor need to be adjusted accordingly, must make sure both of them keep consistent and then ok for normal use.



- Transmitter 1# DIP switch slider to the ON end indicates high speed mode
- Transmitter 1# DIP switch slider to 1 end indicates low speed mode
- Transmitter 2# DIP switch slider to the ON end indicates high power mode
- Transmitter 2# DIP switch slider to 2 terminals to indicate low power mode

If the transmitter DIP switch changes, the battery must be reinstalled to ensure that the transmitter is operating with the new parameters.

3.5 Work Period

The people counter working time range, if the passenger flow counter time is within the range, it is automatically counted; if not within the range, the device stop counting.

3.6 Equipment Time

The current time of people counter can be manually set and then recalibrated by the "Write Configuration" button to the passenger flow counter time.

3.7 Number of caches

The maximum number of buffers saved by the counter is 3,200, which is scrolled and saved in the overlay mode. The exported records are marked to prevent repeated data export. The data can be re-exported by clearing the flag bit by the "Enable Export Again" button.