

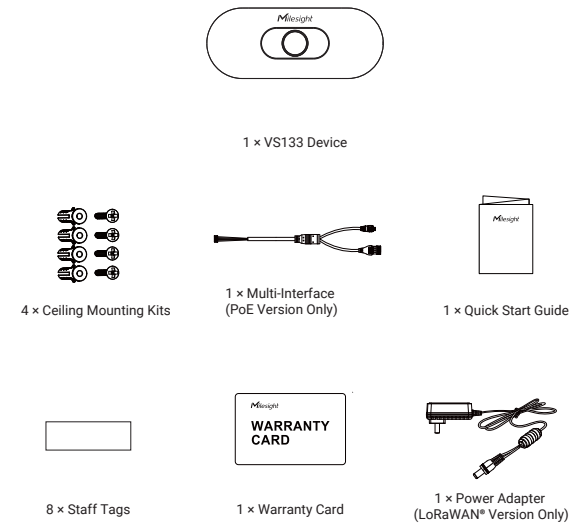
Milesight

# QUICK START GUIDE

AI ToF People Counting Sensor

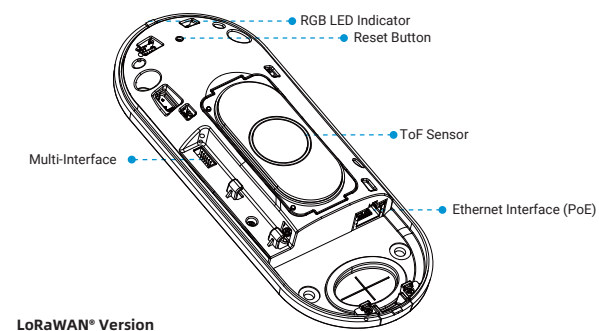
VS133

## 1. Packing List

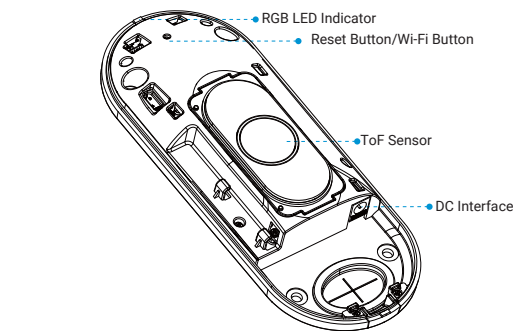


## 2. Hardware Introduction

### PoE Version



### LoRaWAN<sup>®</sup> Version



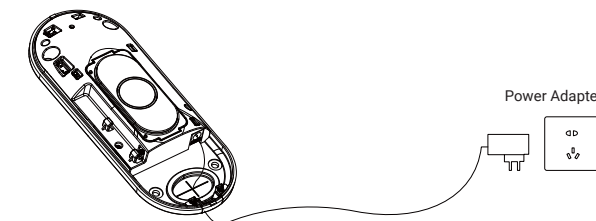
## 3. Button Patterns

Function	Action	LED Indicator
Turn ON/OFF Wi-Fi (LoRaWAN <sup>®</sup> Version Only)	Press and hold the button for more than 3 seconds.	Enable/Disable: Blue light blinks for 3 seconds Wi-Fi ON: Blue light blinks constantly Wi-Fi OFF: Green light blinks constantly
Reset to Factory Default	Press and hold the button for more than 10 seconds.	Green light blinks until the reset process is completed

## 4. Power Supply

### LoRaWAN<sup>®</sup> Version

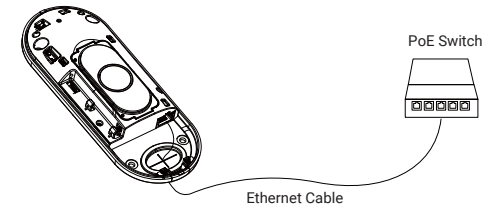
VS133-868M/915M/470M is powered by adapter (12VDC, 2A).



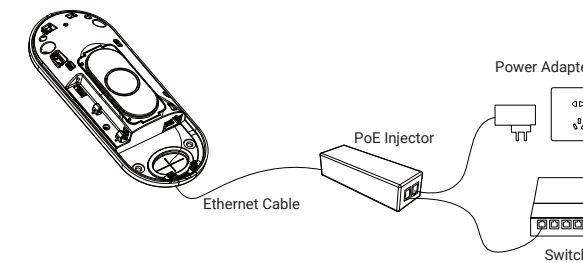
### PoE Version

VS133-P is powered by 802.3 at standard PoE. Choose one of the following methods to power up the device:

#### • Powered by PoE Switch



#### • Powered by PoE Injector



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Cloud App



Quick Start Guide

All software & files can be downloaded from  
<https://www.milesight-lst.com/documents-download/>

Better Inside, More in Sight

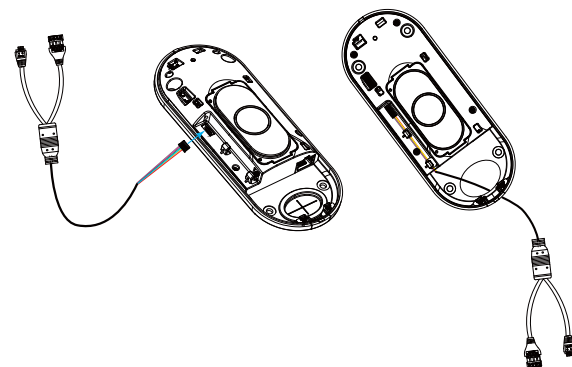
Milesight IoT Co., Ltd. | [www.milesight.com](http://www.milesight.com)

Building C09, Software Park Phase III, Xiamen 361024, Fujian, China

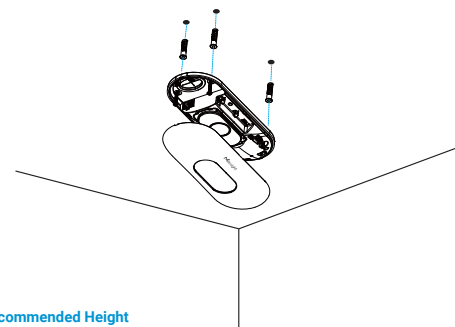
## 5. Installation

### Installation Step

- 1.Ensure the thickness of ceiling is more than 30mm, then attach the mounting sticker to the ceiling and drill 4 holes with a diameter of 6mm. If the wire needs to be extended to the interior of the ceiling, a wire hole with suitable size is required to be drilled.
- 2.Fix the wall plugs into the ceiling holes.
- 3.Remove the cover on the device, and then connect all required wires and pass them through the wire hole on the device. Or break the block on the side of the device, if the wires need to protrude from the side of the device. (Note: if you will use the Alarm I/O port of VS133-P, please connect the Multi-interface to the device).



- 4.Fix the device to the wall plugs via mounting screws.
- 5.Take the cover back to device.



### Recommended Height

The maximum installation height should be 3.5m. Monitored areas for people counting at different heights:

Installation Height (m)	Monitored Area (m)	Detection Area(m)
2.5	5.75 × 4.20	1.84 × 1.34
2.6	5.98 × 4.36	2.07 × 1.51
2.7	6.21 × 4.53	2.30 × 1.68
2.8	6.44 × 4.70	2.53 × 1.85
2.9	6.67 × 4.87	2.76 × 2.01
3.0	6.90 × 5.03	2.99 × 2.18
3.1	7.13 × 5.20	3.22 × 2.35
3.2	7.36 × 5.37	3.45 × 2.52
3.3	7.59 × 5.54	3.68 × 2.69
3.4	7.82 × 5.71	3.91 × 2.85
3.5	8.05 × 5.87	4.14 × 3.02

### Installation Note:

- Make sure the detection part of sensor is facing straight down and in line with the ceiling.
- Avoid direct Infrared LED light in the detection area.
- Do not install the sensor close to glass or mirror.
- Ensure that there are no other objects blocking the ToF light within a 30cm radius of the front of the device.
- Though the device is compliant with Class 1 (IEC/EN 60825-1:2014), please **DO NOT** look at the ToF sensor too close and directly.

## 6. Access from Web Browser

VS133 provides user-friendly web GUI for configuration and users can access it via Wi-Fi connection or Ethernet port. Users need to set the password when using the device for the first time. The default settings are as below:

Wi-Fi SSID: **People Counter\_XXXXX (can be found on the label)**

Wi-Fi IP: **192.168.1.1 (LoRaWAN® Version)**

ETH IP: **192.168.5.220 (PoE Version)**

Here are 2 ways of accessing the web GUI:

**Wireless Method:** Enable the Wireless Network Connection on your computer, search for corresponding Wi-Fi SSID to connect it, then type 192.168.1.1 to access the web GUI.

**Wired Method:** Connect the device to computer via Ethernet port, assign the IP address of computer to 192.168.5.xxx manually, then type 192.168.5.220 to access the web GUI.



## 7. FCC Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

