



Milesight VS133 AI ToF People Counting Sensor User Guide

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Milesight VS133 AI ToF People Counting Sensor



Product Information: AI ToF People Counting Sensor – VS133

Packing List

- AI ToF People Counting Sensor (VS133)
- Quick Start Guide
- Power Adapter
- Ethernet Cable
- Mounting Screws

Hardware Introduction

The AI ToF People Counting Sensor (VS133) features the following components:

- RGB LED Indicator
- Reset Button
- Multi-Interface (Ethernet Interface – PoE)
- Wi-Fi Button (LoRaWANs Version Only)
- DC Interface

Button Patterns

Function	Action	LED Indicator
Turn ON/OFF Wi-Fi (LoRaWANs 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.

Power Supply

The VS133-868M/915M/470M version is powered by an adapter (12VDC, 2A). The PoE version (VS133-P) is powered by 802.3 a standard PoE.
Choose one of the following methods to power up the device:

- Powered by PoE Switch: Connect the PoE Switch to the device using an Ethernet Cable.
- Powered by Power Adapter: Connect the Power Adapter to the device using an Ethernet Cable and PoE Injector.

Installation

1. Fix the device to the wall plugs using the provided mounting screws.
2. Take the cover back to the device.

Note: The maximum installation height should be 3.5m. Refer to the user manual for recommended heights for people counting in different areas.

Access from Web Browser

To access the device from a web browser, refer to the user manual for detailed instructions.

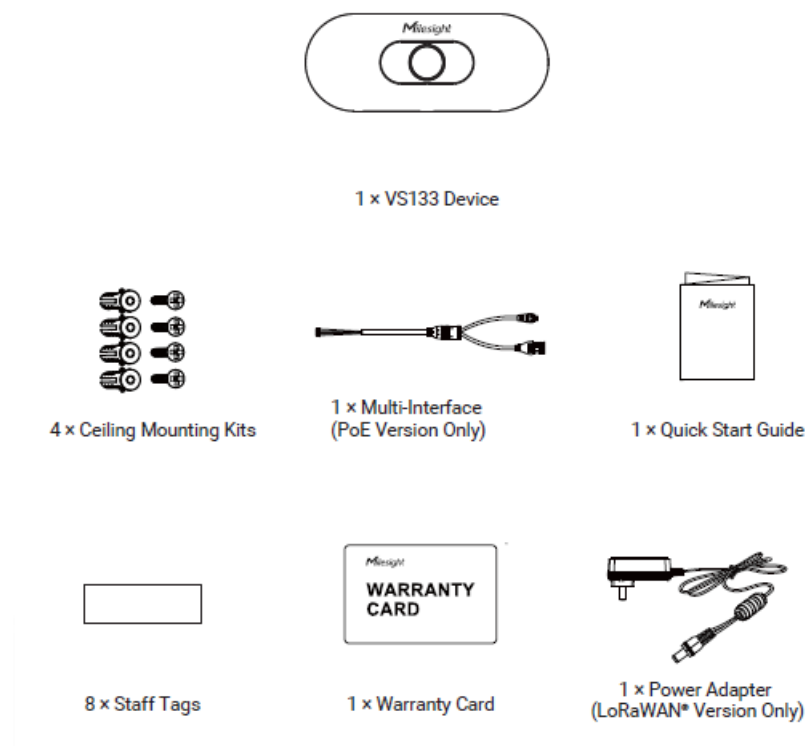
FCC Statement

This device complies with part 15 of the FCC Rules. It may not cause harmful interference and must accept any interference received, including interference that may cause undesired operation. To ensure compliance, please follow these guidelines:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to 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.

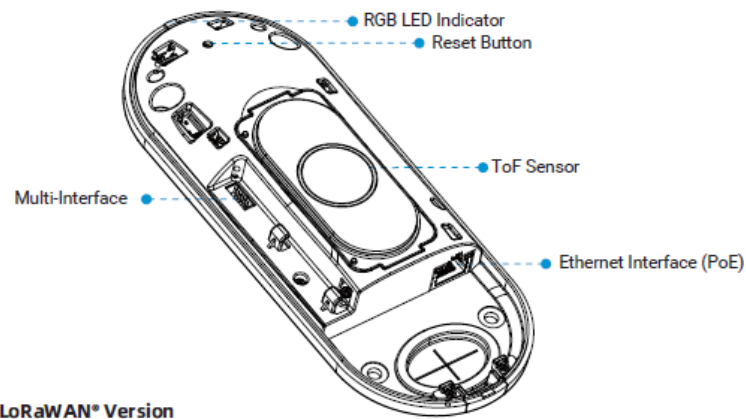
This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. It must not be co-located or operated in conjunction with any other antenna or transmitter. For any software downloads or additional information, visit <https://www.milesight-iot.com/documents-download/> Milesight IoT Co., Ltd. Building C09, Software Park Phase III, Xiamen 361024, Fujian, China

Packing List

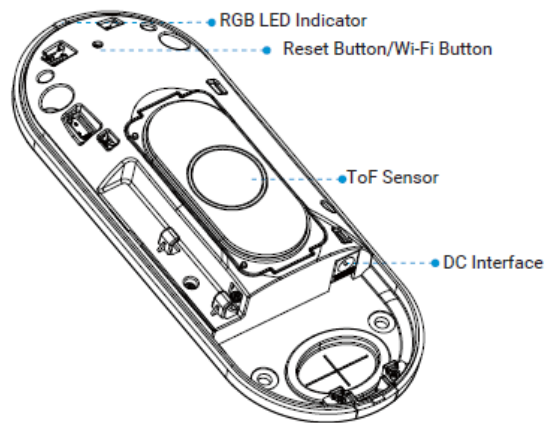


Hardware Introduction

PoE Version



LoRaWAN® Version

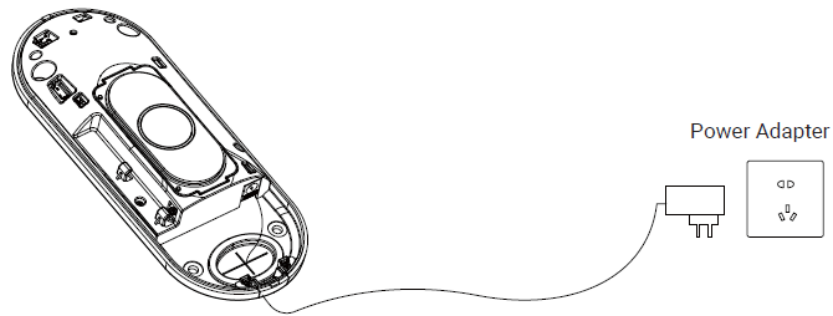


Button Patterns

Function	Action	LED Indicator
Turn ON/OFF Wi-Fi (LoRaWAN® 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

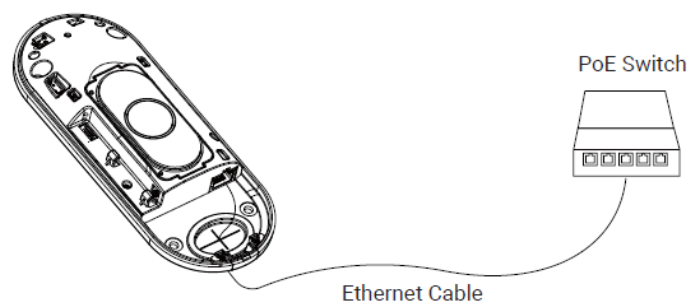
Power Supply

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

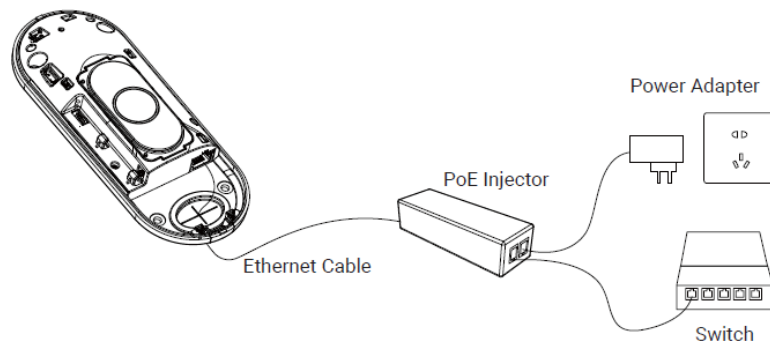


PoE Version

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



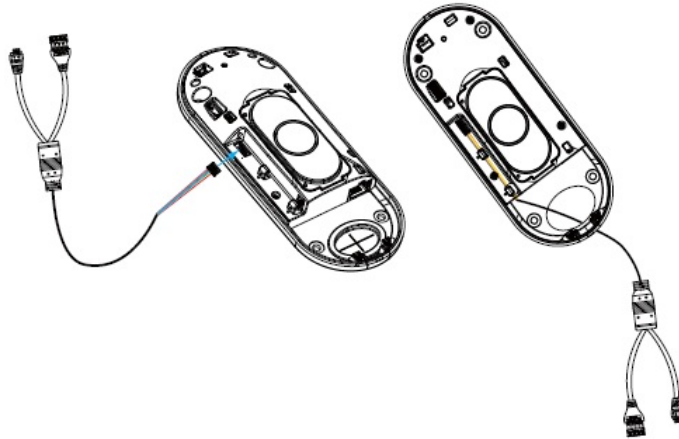
Installation

Recommended Height

1. Ensure the thickness of the 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 a 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.

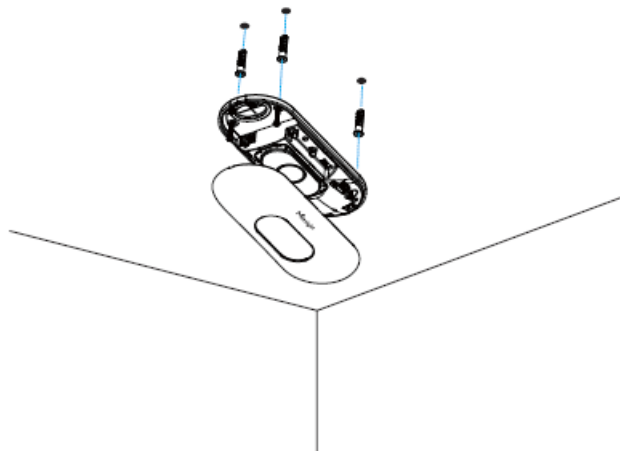
(Note: if you will use the Alarm I/O port of VS133-P, please connect the Multi-interface to the device).

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



Recommended Height

The maximum installation height should be 3.5m. Monitored areas for people counting at different heights: Make sure the detection part of a 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 the 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 closely and directly.



Access from Web Browser

	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

VS133 provides a user-friendly web GUI for configuration and users can access it via a 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_xxxxxx (can be found on the label)
- Wi-Fi IP: 192.168.1.1 (LoRaWAN® Version)
- ETH IP: 192.168.5.220 (Po Version)

Here are 2 ways of accessing the web GUI:

Wireless Method: Enable the Wireless Network Connection on your computer, search for the corresponding Wi-Fi SSID to connect it, then type 192.168.1.1 to access the web GUI. Wired Method: Connect the device to the computer via an Ethernet port, assign the IP address P of the computer to 192.168.5xxx manually, then type 192.168.5.220 to access the web GUI.

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 were redesigned 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 the receiver.
- connect the equipment to 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 a minimum distance of 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Documents / Resources

	Milesight VS133 AI ToF People Counting Sensor [pdf] User Guide VS133, VS133 AI ToF People Counting Sensor, AI ToF People Counting Sensor, ToF People Counting Sensor, People Counting Sensor, Counting Sensor, Sensor
	Milesight VS133 AI ToF People Counting Sensor [pdf] User Manual VS133 AI ToF People Counting Sensor, VS133, AI ToF People Counting Sensor, People Counting Sensor, Counting Sensor

References

-  [Support : IoT Support](#)
-  [Milesight | 5G, AI, IoT and LoRaWAN](#)
-  [GitHub - Milesight-IoT/SensorDecoders](#)
-  [Download Center](#)