Milesight

3D ToF People Counting Sensor

ToF	99.5% Ultra-high Accuracy	Anonymous Detection	GDPR	Bi-directional	Detection in Darkness
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KEY FEATURES

▶ **Large Detection Area** (A wide FoV coverage is essential for accurate people counting to precisely understand spaces.)

▶ **Powerful Local Storage Capacity** (Large storage capacity guarantees data security for some disconnect emergencies.)

▶ **Easy Configuration** (Equipped with Wi-Fi and Ethernet port for web GUI configuration.)

▶ **Flexible Compatibility** (Acquire people counting data either from Ethernet port (CGI) or LoRaWAN®.)

▶ **Multiple Power Supply Modes** (DC or PoE power supply are optional.)

▶ **Exquisite Structure Design** (Exquisite design for multiple installation scenarios. And support ceiling, embedded and wall installation, flexibly fits diverse application scenarios.)

100% Anonymous Detection with 3D ToF Technology

The 3D ToF People Counting Sensor is GDPR-compliant. By applying 3D ToF technology, it only gets 3D depth information and transmits them without involving personally identifiable information, 100% guaranteeing privacy protection at source.

99.5% Ultra-high Accuracy

Breaking through the limitation of the RGB and AI technologies which impede the higher accuracy, the 3D ToF technology efficiently increase accuracy rate to 99.5% by 3D depth information.


In:1 Out:0
Privacy Protection
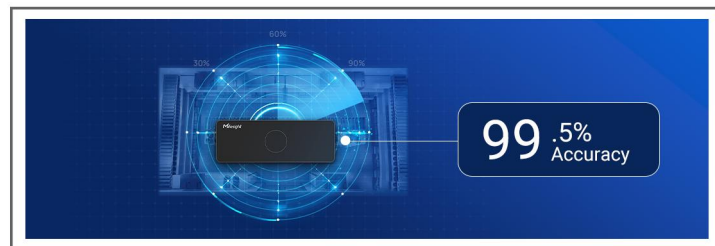
99.5% Accuracy

Smart U-Turn Detection & Bi-directional Counting

By detecting the U-shape tracks of people flow, the sensor's accuracy is guaranteed to avoid unnecessary people counting. And Two-way detection enriches the applications of the 3D ToF People Counting Sensor. Counting people in and out concurrently is beneficial for more accurate and objective Information, reaching efficient management.
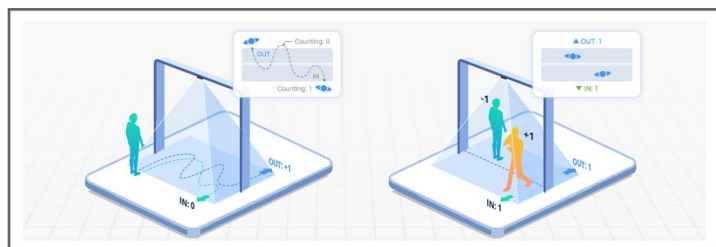
Great Lighting Environments Adaptability

Independent of ambient light, the 3D ToF People Counting Sensor with active ToF light source realizes accurate detection even in the complete dark environments.
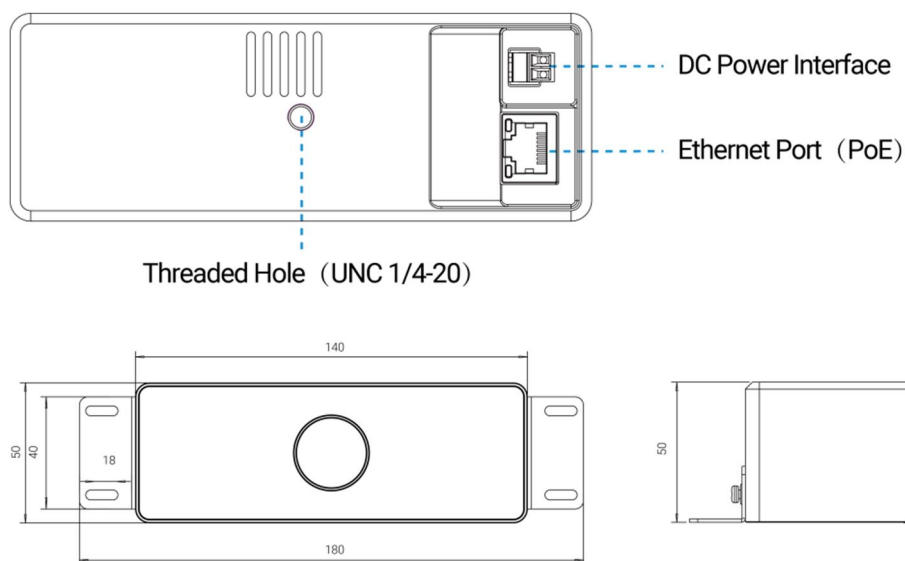

Bright Light   Low Light
In:1 Out:0   In:0 Out:1
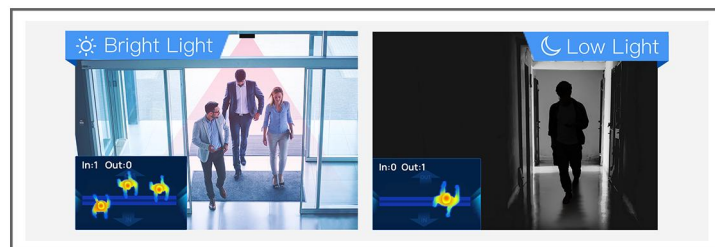
3D ToF People Counting Sensor

Model	VS132
Wireless Transmission	
Protocol	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Max Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class C
People Counting	
ToF FoV	92.5° Horizontal, 67° Vertical
Detection Range	0.5 to 3m
Installation Height	≤ 3m
Accuracy	>99.5%
Local Storage	1, 000, 000 data records
Advanced Setting	Entrance and exit area customization
Interface	
Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz, only support configuration
Ethernet Port	1×RJ45 10/100 Mbps Ethernet Port (PoE PD), provides CGI for integration
Power Input	2-pin 5.08 mm Terminal Block
Physical Characteristics	
Power Supply	DC 12V/2A by Terminal Block 1×802.3 at PoE input
Power Consumption	Typical 7.5 W, max 28 W
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-20°C ~ +60°C
Relative Humidity	0 ~ 95% (Non-condensing)
Color & Material	Black, Aluminum Alloy
Weight	296 g
Dimension	140×50×50 mm (5.51×1.97×1.97 in)
Installation	Ceiling Mounting, Wall Mounting, Embedded Mounting

Structure Diagrams

DC Power Interface

Ethernet Port（PoE）

Threaded Hole（UNC 1/4-20）

140

50

40

18

180

50

50

50

50
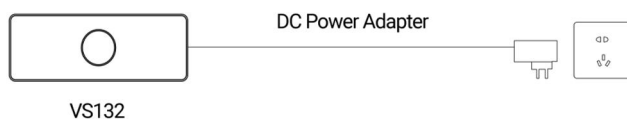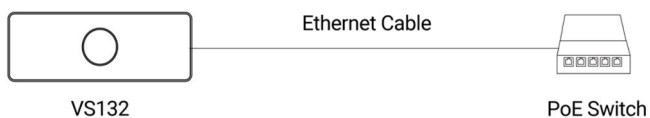
Power Supply

VS132 can be powered by 802.3at standard PoE or power adapter (12VDC, 2A). If the both interfaces are connected, the device will be powered by the former method (PoE).
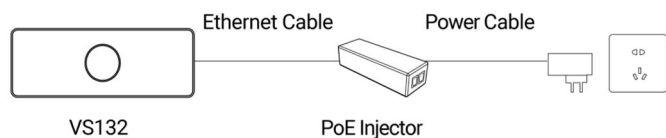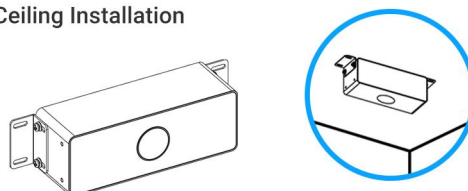
● **Powered by DC Power Adapter**

DC Power Adapter

VS132

● **Powered by a PoE Switch**

Ethernet Cable

VS132

PoE Switch

● **Powered by a PoE Injector**

Ethernet Cable   Power Cable

VS132

PoE Injector

Various Installation Mode

● **Ceiling Installation**

● **Embedded Installation**

● **Wall Installation**