Passage People Counter

Featuring LoRaWAN®

VS350

Milesight

The VS350 is an exceptional indoor passage people counter that detects and analyzes the flow of people, allowing for optimum space management and usage. Equipped with dual PIR sensors, it offers a high accuracy rate for bi-directional people counting. When combined with the additional temperature sensor, the VS350 can achieve even more potential triggers, increasing its detection capabilities. As a Milesight D2D controller, the VS350 seamlessly communicates with other Milesight D2D devices, establishing more possible connections and paving the way for smoother operations.

With easy configuration and wireless detection, the VS350 facilitates simple deployment and connectivity. Compliant with the Milesight LoRaWAN® gateway and Milesight IoT Cloud solution, users can know the number of passage people and trigger other sensors or appliances easily via a webpage or mobile App remotely.

◆ Features

➢ Provide good accuracy rate for bi-directional people counting with dual PIR sensors

➢ Support bi-directional people counting with dual PIR sensors

➢ Ultra-low power consumption with up to 4-year battery life without replacement

➢ 100% anonymity and GDPR-compliant without image capturing, free from privacy concerns

- ➢ Equipped with a reliable and cost-effective sensor system for counting people through passages
- ➢ Function well with people counting with perfect-fit detecting ranges
- ➢ Wireless connectivity and convenient size improve the accessibility and simplicity of deployment
- ➢ Built-in temperature sensor, enabling environmental detection
- ➢ Store locally 1,000 historical records and support retransmission to prevent data loss
- ➢ Support Milesight D2D protocol to enable ultra-low latency and directly control without gateways
- ➢ Equipped with NFC for one touch configuration and support card emulation mode
- ➢ Function well with standard LoRaWAN® gateways and network servers
- ➢ Compatible with Milesight IoT Cloud

◆ Specifications

Measurement	
People Counting	
Technology	Dual PIR
Detection Range	Width = 2m (At the height of 3m)
Installation Height	≤ 3.0m
Suggested Temperature[1]	+15 °C to +32 °C
Bi-directional Counting	Support
Temperature	
Range	-30°C ~ 70°C
Accuracy	+/- 0.5°C
Wireless Transmission	
Protocol	LoRaWAN®, Milesight D2D
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/19 dBm (470 MHz)/22 dBm (915 MHz)
Sensitivity	-137dBm
Mode	OTAA/ABP Class A
Others	
LED	1 × RGB LED Indicator
Button	1 × Reset Button
Configuration	NFC Configuration via Mobile App
Advanced Feature	Data Storage, Data Retransmission, Milesight D2D Controller
Physical Characteristics	
Power Supply	2 x 2700 mAh ER14505 Li-SOCl$_2$ Replaceable Batteries

Battery Life[2]	Around 4 Years (10-min Interval, 25°C, 1000 People per day)
Operating Temperature	-20°C ~ +60°C
Relative Humidity	0% - 95% (Non-condensing)
Ingress Protection	IP30
Dimension	100 x 70 x 21 mm (3.94 x 2.76 x 0.83in)
Material & Color	ABS + PC (Flame Retardant), White
Installation	Ceiling Mount

[1] PIR probes are very sensitive to temperature and are most effective within the temperature range of +15 to +32 °C

[2]Tested under laboratory conditions and for guideline purposes only.

FCC Caution

§ 15.19 Labeling requirements.
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.

§ 15.21 Information to user.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.
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.

RF warning for Mobile device:
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.