Radar Human Presence Sensor

Featuring LoRaWAN®

VS370



VS370 is a LoRaWAN® Radar Human Presence Sensor that adopts Millimeter Wave Radar and PIR technology. The sensor can detect human presence or slight movement and provide accurate human mobility statistics. Without any violation of privacy, VS370 has high detection accuracy with remarkable sensitivity, excellent algorithm performance, and exceptional precision.

As a Milesight D2D controller, the VS370 seamlessly communicates with other Milesight D2D devices, establishing more possible connections and paving the way for smoother operations. It can also be linked with lighting control and HVAC system to achieve an automated scene deployment where the lights, HVAC system and other associated devices turn on when someone enters the room.

With easy configuration and wireless detection, VS370 can be integrated with Milesight LoRaWAN® gateway and Milesight Development Platform, enabling remote and visual management of all sensor data.

VS370 can be used in various meeting rooms, conference rooms, and other spaces requiring monitoring of human presence.

◆ Features

- Equipped with Millimeter Wave Radar and PIR technology, it can identify human slight-movement and moving object

- Detachable and movable magnetic bracket with an additional 30° deflection angle to achieve full area coverage
- 100% privacy protection, no specific images will be captured
- Working well even in low-light or completely dark environments with great lighting adaptability
- Support the sensitivity configuration of PIR and radar sensors, allowing for the selection of different sensitivity levels based on actual scenarios
- Support Milesight D2D protocol to enable ultra-low latency and direct control without gateways
- Support customized hibernation periods to achieve flexible control and save battery power
- Easy configuration via NFC and Bluetooth, with support for wireless detection
- Compatible with Milesight Development Platform
- Support management and OTA upgrade feature

◆ Specifications

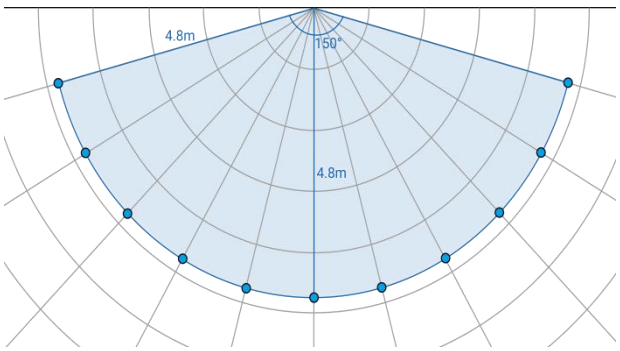
Measurement	
Technology	Millimeter Wave Radar & PIR
Recognition Rate	Up to 99%
Radar	
Frequency	24GHz
Tx Power	5 dBm
Detection Angle	150°
Detection Distance	Movement: 7.5m Slight Movement: 4.8m
PIR	
Detection Area	110°
Detection Distance	Within 7m
Light	
Status	Bright/Dim
Wireless Transmission	
Protocol	LoRaWAN®, Milesight D2D
Antenna	Internal Antenna
Frequency	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/20 dBm (915MHz)/19 dBm (470MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

Others	
Button	1 x Reset Button (Internal)
Software	
Configuration	Mobile App via NFC or Bluetooth, Downlink
Advanced Feature	Milesight D2D Controller, Hibernate Time Setting, Sensitivity Setting, FUOTA
Physical Characteristics	
Power Supply	2 × 2700 mAh ER14505 Li-SOCl$_2$ Batteries
Battery Life[1] (50 Triggers per day, 25°C)	Around 6.7 Years (SF7, EU868 & US915) Around 5.3 Years (SF10, EU868) Around 4.6 Years (SF10, US915)
Operating Temperature	0°C ~ 30°C
Relative Humidity	0 ~ 95% (non-condensing)
Ingress Protection	IP30
Dimension	Φ 70 × 48.5 mm (Φ 2.76 × 1.91 in)
Weight	Body: 89.6g, Magnetic bracket: 38.2g
Housing&Color	ABS (UL94 V1), White
Installation	Wall Mounting via Magnetic Bracket
Approvals	
Regulatory	CE, FCC

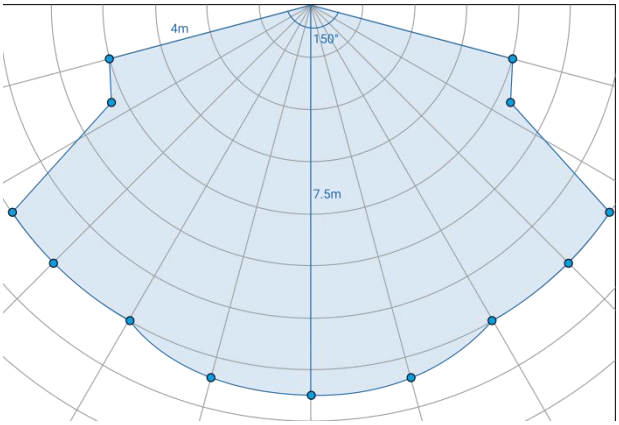
[1]Tested under laboratory conditions and for guideline purposes only.

◆ Detection Range

Slight Movement:



Movement:



◆ Dimensions (mm)

