

novaX



N8-VS373

Bathroom Occupancy Sensor

N8-VS373 is a Radar Fall Detection Sensor utilizing advanced Millimeter Wave Radar technology, achieving up to 99% detection accuracy without capturing images, ensuring 100% privacy. It offers real-time monitoring and integrates seamlessly with LoRaWAN® gateways for remote management and notifications. Ideal for living rooms, bathrooms, hospital wards, and care homes, its IP65-rated design ensures durability in various conditions.

FEATURES

- Advanced Millimeter Wave Radar with 24 transmitters and 22 receivers for high precision detection.
- Achieves up to 99% fall detection accuracy with less than 1% false alarm rate.
- Supports in-bed detection and sub-region occupancy monitoring.
- 100% privacy protection with no image capture.
- IP65-rated design for stable operation in diverse conditions.

SPECIFICATIONS

	N8-VS373
Fall Detection	
Technology	Millimeter Wave Radar
Recognition Rate	Up to 99% (Single Person)
False Alarm Rate	Down to 1% (Default fall configuration parameters)
Installation Height	2.3m~3m
Advanced Feature	Milesight D2D Controller & Agent, Occupancy Detection, In-Bed Detection, Motionless Detection, Data Storage, Data Transmission, Data Retrievability
Radar	
Transceiver	24 Transmitters & 22 Receivers
Frequency	60GHz
FoV	70 ° Horizontal, 140 ° Vertical
Detection Range	4m*5m (Within the installation height)

Wireless Transmission

Protocol	LoRaWAN®, Milesight D2D
Frequency	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915MHz)/19 dBm (470MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class C

Other Interfaces

Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz (AP Mode for Configuration)
DI/DO	1 × DO (60V/1A)
Button	1 × Reset Button, 1 × Multi-function Button
LED Indicators	1 × Multi-color LED Indicator
Buzzer	1 × Buzzer
Power Input	1 × Type-C Cable (2m)

Physical Characteristics

Power Supply	DC 5V/ 3A by Type-C Port
Power Consumption	Max: 9.5W
Operating Temperature	0°C ~ 50°C
Relative Humidity	0 ~ 95% (non-condensing)
Dimension	110 × 82 × 15 mm (4.33 × 3.23 × 0.59 in)
Weight	214.5g
Ingress Protection	IP65
Color & Material	White, ABS (UL94 V1)
Installation	Ceiling Mounting