# Milesight VS373 Radar Fall Detection Sensor - The Future of Care-giving and More

XIAMEN, FUJIAN, CHINA, February 13, 2025 /EINPresswire.com/ -- The global aging population is growing rapidly, increasing the need for elderly care. By 2050, World Health Organization (WHO) expects the number of people aged 60 and older to exceed 2 billion. In Europe, 20% of the population is over 65, projected to rise to 30% by 2060. In Asia, the situation is equally pressing, with countries or regions like Hong Kong, Singapore and Japan facing rapidly aging populations.



Milesight VS373 Radar Fall Detection Sensor

As the elderly population increases, so do the risks associated with aging, particularly falls. According to the European Commission, falls are the leading cause of injury-related deaths among older adults in Europe. These falls often go unnoticed for extended periods, leading to severe consequences due to delayed medical intervention. Additionally, elderly individuals living alone or those with disabilities face even greater challenges when it comes to monitoring their health and ensuring timely assistance in the event of an emergency.

This highlights the urgent need for innovative solutions that provide real-time monitoring and fall detection, ensuring timely responses and reducing the impact of falls on elderly and disabled individuals.

From Detection to Action with Precise Monitoring

This is where technology, such as the Milesight VS373 Radar Fall Detection Sensor, can play a pivotal role in improving the safety and well-being of these vulnerable populations. The Milesight VS373 Radar Fall Detection Sensor is designed to address the critical need for real-time fall detection and monitoring, particularly for elderly and disabled individuals. With its innovative features, the VS373 helps ensure that falls are detected quickly, allowing for timely intervention and reducing the risk of severe injuries.

The Milesight VS373 Radar Fall Detection Sensor is an advanced solution designed to enhance safety and response in elderly and disabled care. The VS373 uses advanced 4D 60-GHz mmWave Radar with MIMO Array technology to detect falls with precision. This technology allows for non-contact monitoring, reducing the risk of false alarms and improving the accuracy of fall detection. It precisely detects falls without the need for wearable devices, offering a non-intrusive monitoring experience.

The Milesight D2D communication protocol enhances the VS373's functionality, enabling seamless connectivity between multiple devices. This allows for more efficient real-time data exchange, ensuring that fall alerts are sent immediately to caregivers, monitoring stations, or emergency services. Besides, the sensor's working logic ensures accurate event handling with three phases, they are, Confirmation Phase, First Alert Phase and Emergency Alert Phase.

With LoRaWAN connectivity for long-range, low-power communication for seamless integration with other devices, the VS373 is ideal for hospital care, healthcare facilities, and public spaces, providing real-time monitoring such as Room Occupancy Detection, Motionless&Over Stay Detection and Bed Presence Detection and faster response to emergencies.

Fall Detection and Safety Monitoring

The Milesight VS373 Fall Detection Sensor ensures precise real-time monitoring for fall detection, motionlessness, and overstays, as well as bed presence and room occupancy detection. Leveraging its seamless connectivity through Milesight D2D technology, when detected events, such as falls or prolonged inactivity, the datat are transmitted to the Milesight UC100 Modbus-to-LoRaWAN Converter or UC300 LoRaWAN 4G IoT Controller to enable Alarm Notification and Automated Control. The system sends alarms to staff or caregivers for immediate intervention. Additionally, it can automate functions such as controlling curtains to maintain privacy or lighting adjustments to enhance safety and comfort.

Room Occupancy and Bed Presence Detection with Smart Lighting Control

By integrating the VS373 with Milesight WS50X and WS51X Smart Wall Sockets, the system creates an efficient, automated lighting control mechanism. The VS373 detects whether a room is occupied or if someone is in bed. When interlinked with the WS50X or WS51X, the system adjusts the lighting automatically, ensuring optimal brightness and energy efficiency. Lights can be turned on or off based on occupancy, enhancing user convenience while minimizing energy wastage.

Room Occupancy Detection with Smart Climate and Lighting Control

The VS373, when integrated with Milesight WT101 Smart Radiator Thermostat, WT201 Smart

Thermostat, or WT30X Smart Fan Coil Thermostat, enables an intelligent ambient control system. The VS373 detects room occupancy and sends signals to the thermostats via Milesight D2D. These thermostats adjust the heating or cooling levels automatically, creating a comfortable environment. The system can also interoperate with smart lighting systems to adjust brightness based on occupancy, further enhancing the ambience. By synchronizing heating, cooling, and lighting with actual room usage, the system reduces energy consumption and operational costs, making it ideal for smart homes, hotels, and offices.

Product Highlights:

High Fall Detection Accuracy of Up to 99%
24/7 Monitoring Even in Dark and Humid Environments
100% Privacy Protection
Contactless Fall Detection
IP65 Waterproof and Dustproof
Support DO Interface
Detect Fall, Occupancy, Bed Presence, Movement
Instant Alerts For Immediate Intervention
Software Compatibility To Unlock Data Potential

## Applications and Impact

By providing timely alerts and reducing emergency response times, the VS373 significantly enhances safety while promoting peace of mind for users and caregivers alike. The VS373 is versatile and can be used in:

## Healthcare Facilities

To provide efficient, real-time monitoring of patients in nursing homes or assisted living centers.

## Public Spaces

One of the standout applications of the VS373 lies in its ability to enhance the accessibility and efficiency of public spaces, particularly in accessible restrooms located in high-traffic transportation hubs such as airports, train stations, and bus terminals.

## Key Benefits

Real-Time Fall Detection

The VS373 uses cutting-edge radar and motion-sensing technology to instantly detect falls and send alerts to caregivers, family members, or emergency responders.

Long Battery Life and Low Power Consumption

The sensor uses LoRaWAN for communication, ensuring efficient use of battery power and minimizing the need for frequent recharging.

Seamless Integration

With Milesight's D2D technology, the VS373 can be easily integrated into existing smart healthcare and monitoring systems, providing real-time fall detection as part of a broader IoT ecosystem.

Non-Invasive and Comfortable

The VS373 operates without the need for wearable devices, offering a non-intrusive solution for users. This makes it especially suitable for elderly or disabled individuals who may have difficulty using wearable fall detection devices.

Improved Response Time

By providing instant notifications of falls, the VS373 reduces the time it takes for help to arrive, potentially saving lives.

Enhanced Safety

For elderly and disabled individuals, the peace of mind that comes from knowing they are being monitored can significantly improve their overall well-being.

Cost Savings for Caregivers

By automating the monitoring process, the VS373 reduces the need for constant human surveillance, lowering labor costs for care facilities.

The Milesight VS373 Radar Fall Detection Sensor represents a significant advancement in eldercare and disability support, offering precise, real-time fall detection in a non-invasive and user-friendly package. Combined with other products from the Milesight [People Sensing](#) Series, the VS373 helps create safer, more efficient environments for everyone.

Other Products You May Also Like - Milesight People Sensing Series

The Milesight People Sensing Series offers a range of products designed to optimize building management, occupancy tracking, and smart city solutions. These sensors use advanced IoT technologies to help monitor the movement of people in various spaces, providing valuable data for energy efficiency, security, and resource optimization.

Each of these sensors provides unique benefits that can be seamlessly integrated into smart building and city systems, improving safety, energy management, and operational efficiency.

VS121 AI Workplace Occupancy Sensor
VS125 AI Stereo Vision People Counter
VS133 AI ToF People Counting Sensor
VS135 Ultra ToF People Counter
VS330 Bathroom Occupancy Sensor
VS340/VS341 Desk & Seat Occupancy Sensor
VS350 Passage People Counter
VS351 Mini AI Thermopile People Counter
VS360 IR Breakbeam People Counter

IVETE HUANG
Xiamen Milesight IoT Co., Ltd.
+86 592 508 5280
email us here
Visit us on social media:
Facebook
X
LinkedIn
Instagram
YouTube

This press release can be viewed online at: https://www.einpresswire.com/article/785261520

in today's world. Please see our Editorial Guidelines for more information.