

# Hikvision Elder Care Radar Sensor

Securing Those in Need with Responsive, Contactless Care



DS-TDSB00-EKH/2m

DS-TDSB00-EKT/4m



## Contactless Detection

Non-harmful, millimeter wave radar penetrates quilts, clothes, etc., for accurate, protective detection



## Intelligent Algorithm

With its deep-learning algorithm, Hikvision's radar sensor effectively distinguishes sitting from falling, reducing false alarms



## User-friendly Management

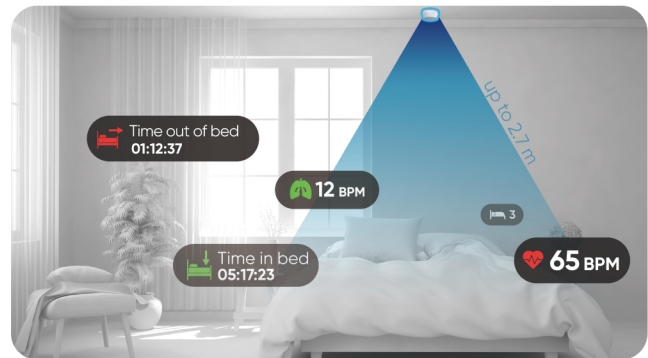
HikCentral Professional brings holistic management, including device management, data analysis, and real-time alarm notifications

## Vital-Sign Radar Sensor


Vital-Sign Radar Sensor can help provide significant medical information for better analysis of sleep quality and overall health of the body.

### Detection information includes:

- ✓ Time spent in and out of bed
- ✓ Respiratory and heart rates
- ✓ Body movement information



### Product Specifications

	<b>Working Frequency</b>	60 to 64 GHz	<b>Horizontal &amp; Vertical FoV</b>	-45° to 45°, -45° to 45°
	<b>Modulation Wave</b>	FMCW	<b>Breath/Heart Rate Resolution</b>	0.08 Hz
	<b>Frequency Span</b>	3.5 GHz	<b>Data Cycle</b>	200 ms
	<b>Detection Range</b>	<b>0.1 to 2.7 m</b>	<b>Communication Interface</b>	RS-485
DS-TDSB00-EKH/2m	<b>Weight</b>	125 g	<b>Working Voltage &amp; Electric Current</b>	9 to 12 VDC, ≤ 200 mA @ 12 VDC

## Fall Radar Sensor


Fall Radar Sensor can provide discrete and precise fall detection, promptly alerting healthcare workers to respond quickly to reduce risk of personal injury.

### Detection information includes:

- ✓ Personal trajectory reporting (location, speed, posture)
- ✓ Fall detection and alarms



### Product Specifications

	<b>Working Frequency</b>	60 to 64 GHz	<b>Horizontal &amp; Vertical FoV</b>	-45° to 45°, -45° to 45°
	<b>Modulation Wave</b>	FMCW	<b>Communication Interface</b>	RS-485
	<b>Frequency Span</b>	2 GHz	<b>Working Voltage</b>	9 to 12 VDC
	<b>Detection Range</b>	<b>0.1 to 4 m</b>	<b>Working Electric Current</b>	≤ 200 mA @ 12 VDC
DS-TDSB00-EKT/4m	<b>Data Cycle</b>	70 ms	<b>Weight</b>	133 g

\*Please note, both types of radar sensors provide non-contact, non-video detections for privacy protection.



**Headquarters**  
 No.555 Qianmo Road, Binjiang District,  
 Hangzhou 310051, China  
 T +86-571-8807-5998  
 overseasbusiness@hikvision.com

