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INDUSTRIAL PRODUCT DATASHEET

MR60BHA1 60GHz mmWave Module - Respiratory Heartbeat Detection | FMCW | Sync Sense | Privacy Protect

The 60GHz MR60BHA1 millimeter-wave sensor module implements human presence and motion perception, real-time analyzes the target's respiratory and heart rate, and reports the sleep status combined with long-term sleep posture...

SKU	UPDATED	PRICE
101990886	2026-11-11 08:45:37	$45.00(Excl. VAT)



Overview



The 60GHz MR60BHA1 millimeter-wave sensor module implements human presence and motion perception, real-time analyzes the target's respiratory and heart rate, and reports the sleep status combined with long-term sleep posture and body movement collection. With high accuracy and private protection, it is an ideal solution for secure contactless biotic radar systems in consumer electronics and healthcare.

Key Features

01 **Enhanced Detecting Algorithm**

Perception of human presence, stationary, respiratory and heart rate, and sleep state

02 **High Measured Accuracy**

Achieve heart rate accuracy≥95% and respiratory rate accuracy ≥90%

03 **High Immunity against Interferences**

Independ on temperature, humidity, noise, airflow, dust, light, and other environmental influences

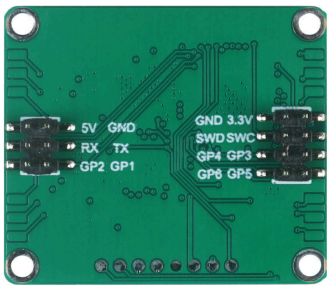
04 **Privacy Protection**

More secure identification than the vision-based devices, with no concern about privacy leakage

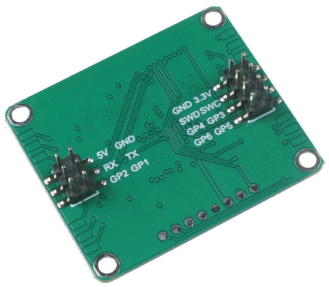
05 **Support Secondary Development**

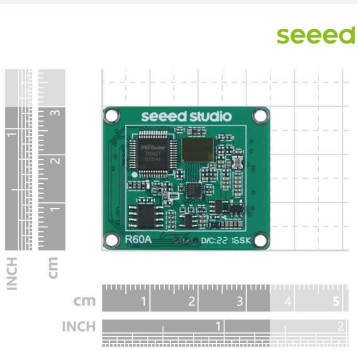
Adapt to various scenarios and applications

Product Gallery









Applications

- Health Care
- Medical Diagnosis
- Smart Home

Resource Links

- https://www.seeedstudio.com/60GHz-mmWave-Radar-Sensor-Breathing-and-Heartbeat-Module-p-5305.html
- Breathing and Heartbeat Radar Sensor Datasheet
- Breathing and Heartbeat Radar Sensor User Manual-V1.9
- 60G-Radar-heartbeat-3D
- Upper Computer Software
- Seeed mmWave sensor series V2.0.pptx
- Seeed Studio MMWave Sensor Case Design
- Breathing and Heartbeat Radar Sensor User Manual-V2.3

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