

XenP102RM

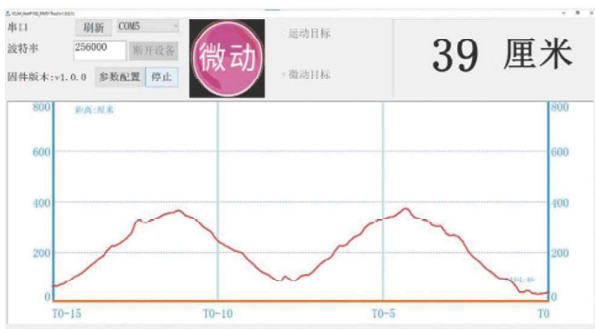
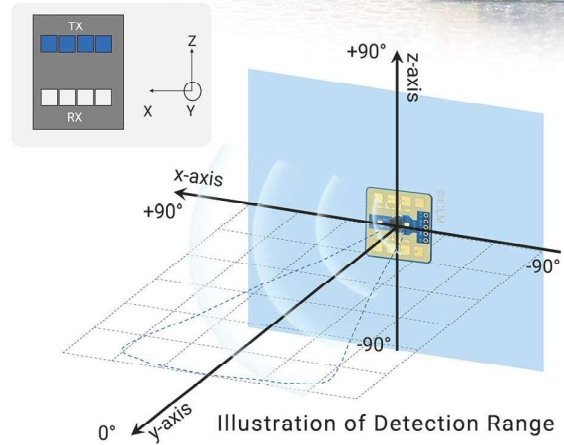
High-Precision Presence and Range Detection mmWave Sensor

- High-precision Range Measurement: Real-time cm-level ranging accuracy
- Flexibly Configurable: Configurable micro-motion/motion detection for various scenarios
- Wide-range Detection: Accurate human range measurement up to 6 m
- Convenient Installation: Support low-effort wall-mounted installation

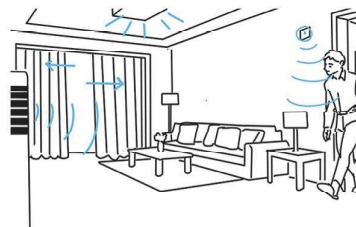


Specifications	
Detection Range	0.3 m ~ 6 m
Range Accuracy	± 3 cm
Operating Frequency	24 ~ 24.25 GHz, in accordance with FCC/CE
Operating Voltage	5 V
Operating Current	48 mA
Sensor SoC	S3 series (1T1R)
Hardware Size	28 mm x 24 mm
Field of View	80 ° x 40 °
Interface	UART, GPIO

High-precision human detection and range measurement using FMCW radar SoC and high gain antennas. Incorporated with signal processing algorithm, report real-time accurate human distance. Support human micro-motion/motion detection, independent detection area configuration, and resist the interference outside of the detection range.



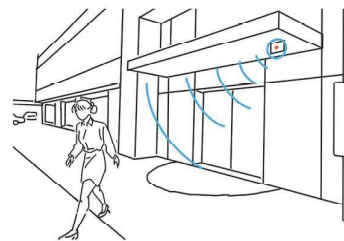
Human Detection and Range Measurement Visualization Tool



Smart Home



Smart Lighting



Intelligent Surveillance



Smart Business

