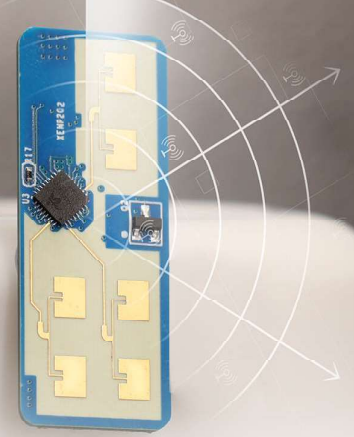


# XenP202TT

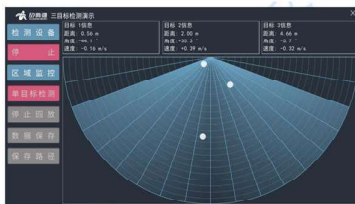
## High Precision Multi-target Detection and Tracking mmWave Sensor

- Multi-target detection: Detect multiple human targets in real time
- Minimalist size: Adaptive to various kinds of end-product outlook design
- Positioning and trajectory tracking: Precisely predict the movement
- Accurate range measurement: Range with an accuracy of  $\pm 10$  cm

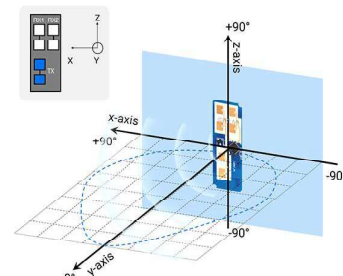
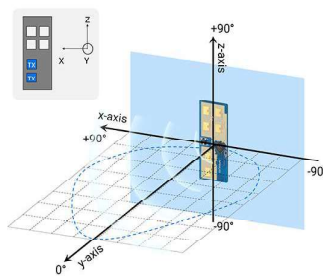


Based on S5 series SoC, the XenP202TT incorporates trajectory tracking algorithm and can detect multiple human targets' positions in detection area. It can also distinguish and predict the trajectories of different targets in real time. The XenP202TT can be applied to security products combining visual technologies, and intelligent domestic appliances such as smart air conditioners or fans, smart speakers, as well as self-adaptive lights.

Specifications	XenP202TT	CSP202TT
Hardware Size	40 mm x 15 mm	44 mm x 15 mm
Operating Current @10 Hz report rate	125 mA	111mA
Operating Frequency	24 GHz ~ 24.25 GHz, in accordance with FCC/CE	
Detection Range	Human detection range 0 ~ 8 m (adjustable)	
Detection Angle	120° x 60°	
No. Target	Up to 3 human targets	
Angele accuracy	12°	
Distance accuracy	15 cm	
Operating Voltage	5 V	
Sensor SoC	S5 Series (1T2R)	
Interface	UART, TTL	
IAP	Upgradable	



Visualization tool for multi-target detection supporting warning zone and detection area setting



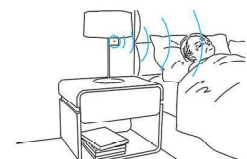
Smart Toilet



Smart Wind Control



Intelligent Surveillance



Intelligent Wellness

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