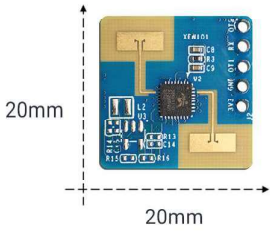


XenD101MM

Wide Coverage Human Micro-motion Detection mmWave Sensor

- Flexibly configurable: Can quickly adapt to the detection requirements of various scenarios.
- Larger coverage: Support both top- and wall-mounted detection for product outlook design.
- Space management: Accurately define the detection range.
- Minimalist size: Friendly for product outlook design.
- Top choice for cost-effectiveness.



Specifications		
Detection Range	Micro-motion detection	Detection range
	0 °	7.5 m
	(Wall mounted) ±45 °	6.5 m
	±60 °	5 m
	(Top mounted) Projection radius	4 m
Motion detection	Motion detection	Detection range
	0 °	10 m
	(Wall mounted) ±45 °	7.5 m
	±60 °	6.5 m
	(Top mounted) Projection radius	5 m
Operating Frequency	24 ~ 24.25 GHz in accordance with FCC/CE	
Operating Voltage	3.3 V	
Operating Current	50 mA	
Senear SoC	S3 series (1T1R)	
Hardware Size	20 mm x 20 mm	
Interface	UART, GPIO	
IAP	Upgradable	

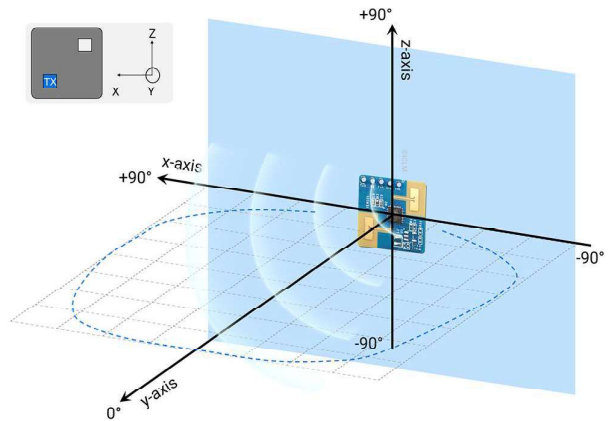
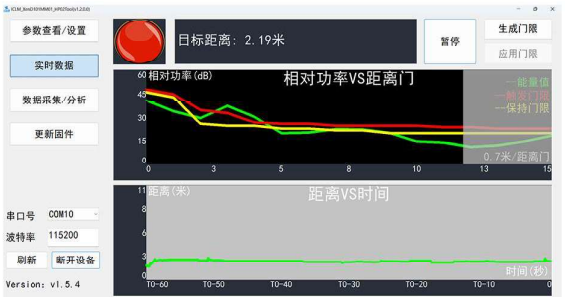
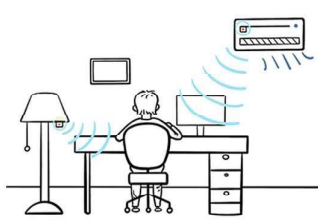


Illustration of Detection Range

Detect human motion or micro-motion within the detection range by applying the FMCW technology. Support configuring the sensibility for each range gate independently to improve anti-interferability.



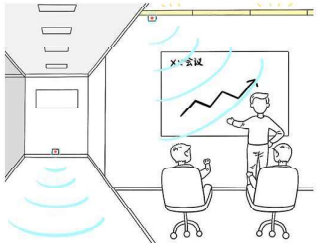
Human Micro-motion Detection Demonstration GUI



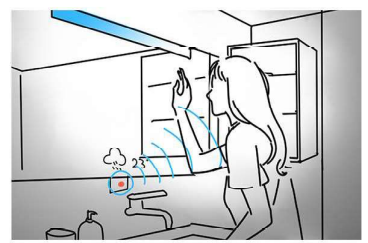
Smart Home



Presence Detection



Smart Office



Screen Sensing

