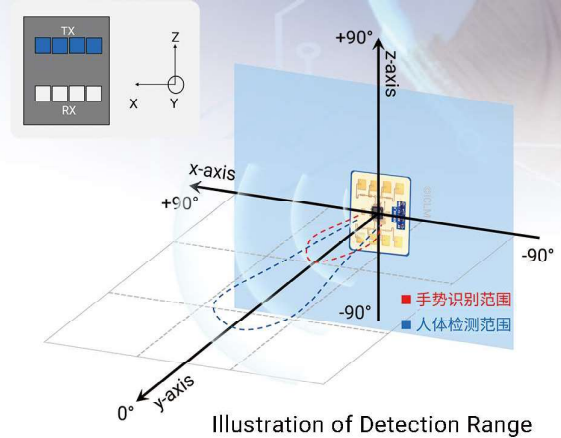# XenG102ST

Smart Toilet mmWave Sensor with Gesture Control

·Gesture Recognition: Non-contact control, intelligently recognize hand gestures
·Range Measurement: Support accurate detection range configuration, range accuracy ±10 cm
·Interference Avoidance: Support sensibility configuration, prevent interference from the outside
·Convenient Configuration: Support configuring the response time for variable requirements

28 mm
24 mm

Specification	
Detection Range (Gesture Recognition)	0.5 ~1 m 80 ° x 60 °
Detection Range (Human Detection)	0 ~ 2 m 80 ° x 40 °
Operating Frequency	24 ~ 24.25 GHz, in accordance with FCC/CE
Operating Voltage	5 V
Average Current	50 mA
Senser SoC	S3 series (1T1R)
Hardware Size	28 mm x 24 mm
Interface	UART, GPIO

■ 手势识别范围
■ 人体检测范围

Illustration of Detection Range

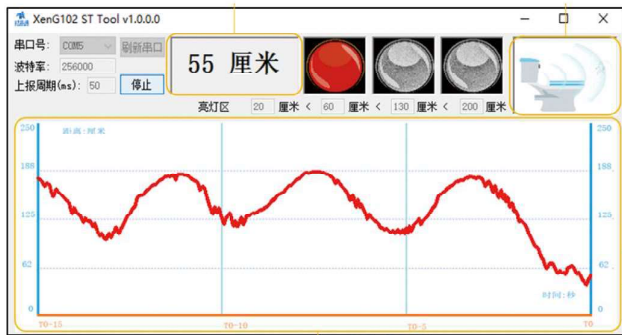## Smart toilet application

Open lid when approaching

Open seat by gesture recognition

Close lid and seat when leaving

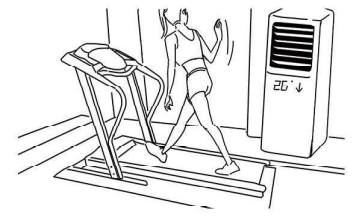## Support further development

When incorporated with different firmware and algorithm, it is applicable to various scenarios, such as Smart Switch Panel, Security Surveillance, Smart Lighting, and Public Devices.

XenG102 ST Tool v1.0.0.0
串口号 COM5 刷新串口
波特率 256000
上报周期(ms): 50 停止
55 厘米
亮灯区 20 厘米 < 60 厘米 < 130 厘米 < 200 厘米

Ranging and gesture recognition GUI tool

Smart Toilet

Smart Appliance

Public Devices

Smart Lighting

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