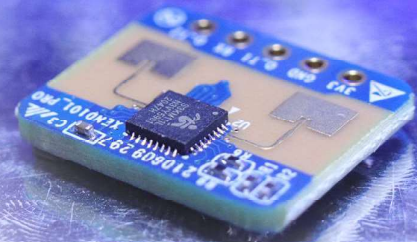


XenD101Pro

Human Life Presence Detection mmWave Sensor

- Life Presence Detection: Detect motionless sitting or lying human body
- Flexibly Configurable: Configure parameters for each range gate
- Disturbance Avoidance: Accurately detect target within the range and avoid outside interference
- Regulation Compliant: In accordance with national and international regulations, support rapid installation



Specifications	
Target Application	Human presence detection 0~5 m (detection area adjustable)
Operating Frequency	24 ~ 24.25 GHz in accordance with FCC/CE
Operating Voltage	3.3 V
Operating Current	49 mA
Sensor SoC	S3 Series (1T1R)
Hardware Size	18 mm x 15 mm
Detection Angle	90 ° x 90 °
Interface	UART, GPIO

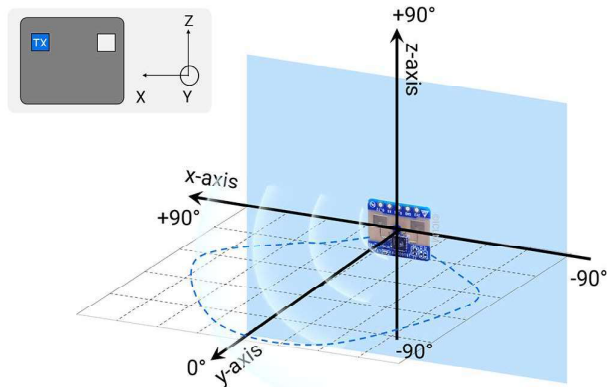
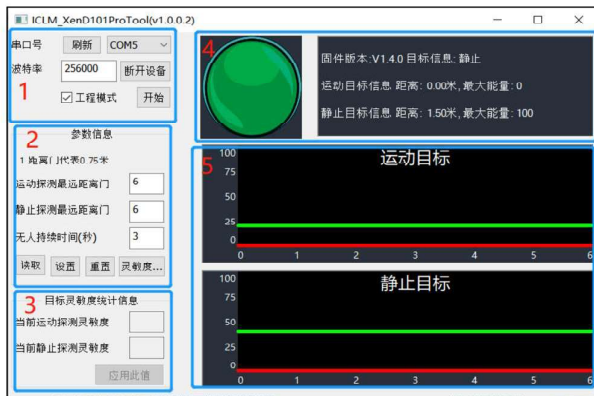
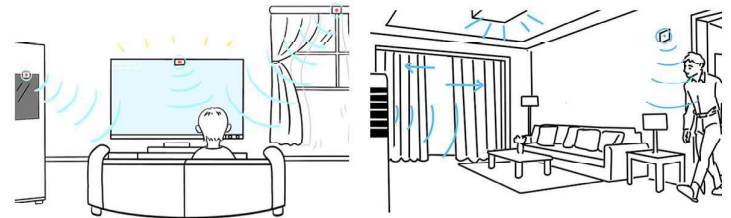


Illustration of the Detection Range

Detect human in specified area using FMCW. Perform high sensitivity human presence detection by integrating radar signal processing and accurate human detection algorithm. Can detect moving and motionless human target.

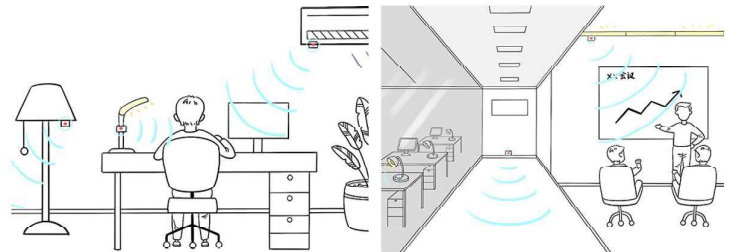


Human detection visualization tool, supporting detection area setting



Smart Home

Smart Hotel



Smart Lighting

Smart Office

