

HLK-LD1125H-24G

LD1125H-24G is 1 high-sensitivity 24GHz millimeter wave human body presence detection radar module, which mainly judges the existence of the human body by detecting and accumulating small-amplitude movements such as human breathing. Therefore, the detection of human body presence is more accurate than traditional mobile detection radar. Higher, not easy to miss.

Frequency: 23.5G-24.5GHz

Modulation mode: FMCW

Detection distance: 4m sit still, 8m movement

Range: hanging height 3m, rest human body detection coverage radius > 2m

Power supply: 3.3-5V

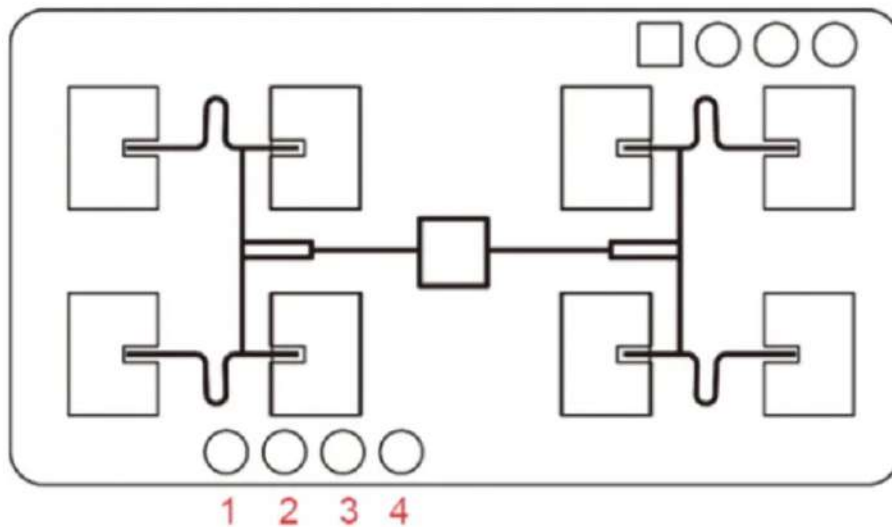
Current: 80mA

Output serial port level: 3.3V

Detection Period: Adaptive

Antenna half power angle: 22 (horizontal/vertical)

Data format: serial port ASCII output



Interface type: (2.0mm X 4PIN pin)

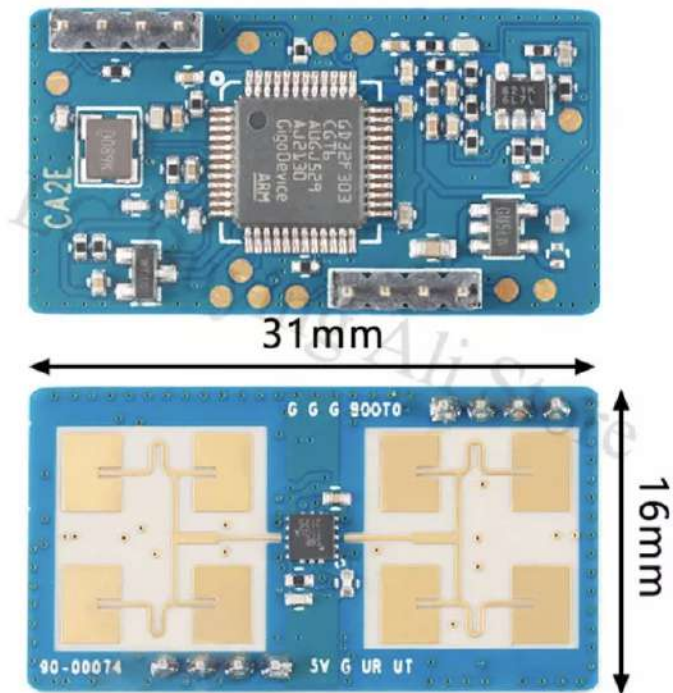
1: VCC 5V power supply

2: GND grounding

3: URX TTL serial port reception

4: UTX TTL serial port transmission

You can use the serial assistant on the computer. On debugging, baud rate 115200, 8-bit data bit, 1-bit stop bit, check bit and flow control are None, ASCII for receiving settings and ASCII for sending settings.



HLK-LD1125H-24G

HLK-LD1115H-24G

LD1115H-24G is a high-sensitivity 24GHz millimeter wave human body presence detection radar module. It mainly judges the existence of the human body by detecting and accumulating small-amplitude movements such as human breathing. Therefore, the detection of human body presence is compared with traditional mobile detection radar. In other words, the accuracy rate is higher and it is not easy to fail to report.

Frequency: 24G-24.25GHz

Modulation mode: CW

Detection distance: 4m sit still, 16m movement

Range: hanging height 3m, rest human body detection coverage radius > 2m

Power supply: 3.6-5V

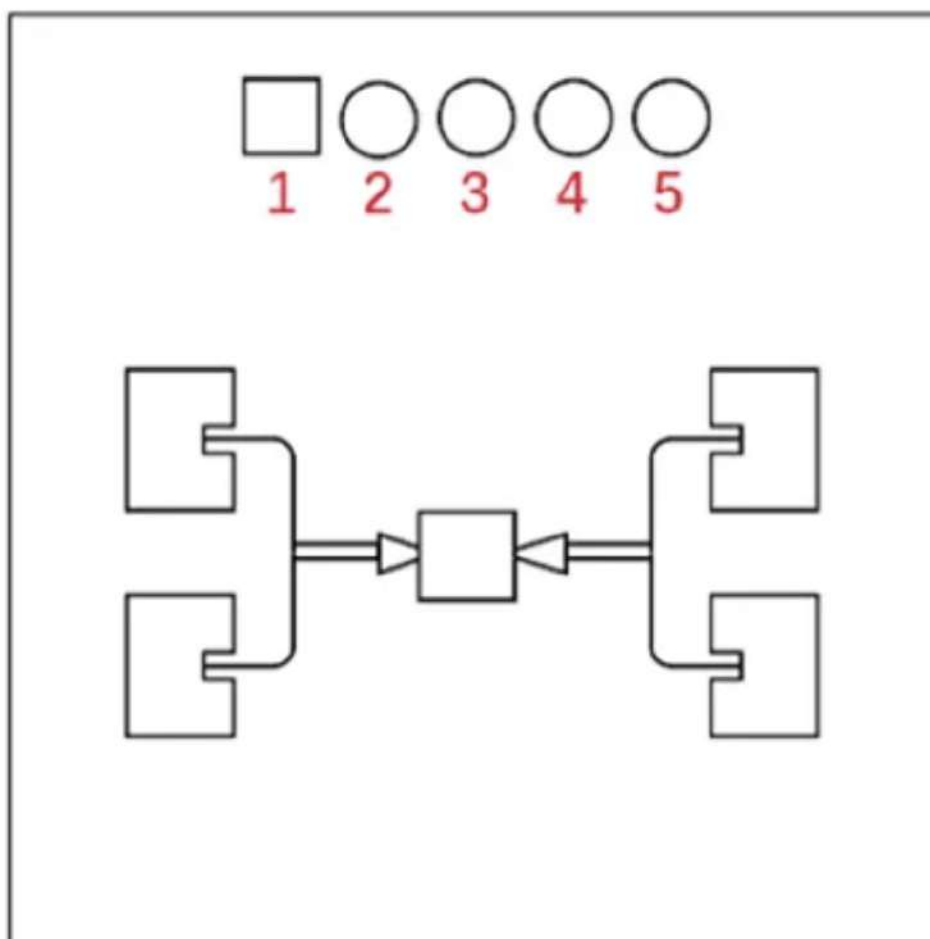
Current: 70mA

Output serial port level: 3.3V

Detection cycle: adaptive,

Antenna half power angle: soil 57/soil 24 (horizontal/vertical)

Data format: serial port ASCII output/high and low level



Interface type: (2.54mm X 5PIN pin)

1: VCC 5V power supply

2: GND grounding

3: Vo induction level output 4: UTX, TTL serial port emission

5: URX TTL serial port reception

You can use the serial assistant on the computer. In the above debugging, baud rate is 1,15200, 8-bit data bit, 1-bit stop bit, check bit and flow control are None, ASCII is selected for receiving settings, and ASCII is selected for sending settings.

Radar output format

When a larger motion is detected, the output mov, ** **** (the second number represents the signal strength)

When the radar detects the static state of the human body or the small amplitude movement, it outputs occ, ** ****. (The second number represents the signal strength) * When the radar cannot detect the target, the output is stopped.

(Note: The module starts for about 15 seconds, and starts to output data after 15 seconds of power-on.

Because the module makes existence judgment by accumulating-time signal characteristics, the radar will continue to accumulate signals for a period of time after the personnel disappear from the radar detection range, so the radar will stop outputting after a period of lag time.)

