

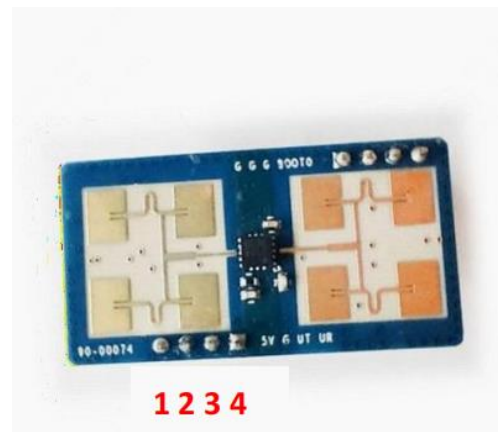
Millimeter-Wave Module Manual

1. Product features

- Low standby power consumption
- Working voltage: 3.3VDC
- RS485 communication
- Interface: 5557-4PIN male head
- Function: Detects whether there is a person on the lifting bed, whether the person is in motion or slightly moving (still). Detects that the bed behind the person is still rising.

2. Module parameters (high sensitivity 24GHz millimeter-wave human presence detection radar)

- Model number: HLK-LD1125H-24G
- Frequency: 24.0G-24.5GHz
- Modulation mode: FMCW
- Detection distance: 4m sitting, 8m exercise
- Range: hanging height of 3m, static body detection coverage radius greater than 2m
- Supply voltage: 3.3-5.0V
- Power supply current: 80mA
- Output serial port level: 3.3V
- Detection cycle: Self-Adaptation
- Antenna half-power angle: $\pm 22^\circ$ (horizontal/vertical)
- Data format: Serial port ASCII output



3. Machine size

size: 155*48.8*27.2mm

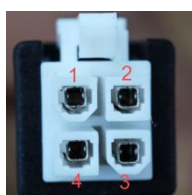


4.Installation position



Warning: Do not cover the sensor during use. Otherwise, it will affect normal use.

5.Interface Definition



1	+33V
2	GND
3	RS485-B
4	RS485-A

6.FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

FCC RF Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.