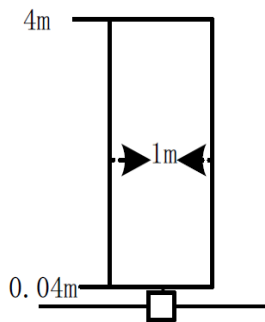


IIR-R09 Detect Zone Setting and Output Data Format

1. IIR-R09 firmware default setting : X direction is +/- 0.5m, Y direction is 4M.



2. Detect zone can set by command format and steps as following:

(2.1.) Send "sensorStop" command to stop the radar data output.

(2.2). Send "WriteCLI setFilterPara 0 1 50 7 7 400 50 32" to set detect zone.

Command	Parameter 1	Parameter 2	Parameter 3	Parameter 4	Parameter 5	Parameter 6	Parameter 7	Parameter 8
setFilterPara	0	1	50	7	7	400	50	32
Explain	Reserved	ON/OFF detect setting: 1 is ON; 0 is OFF	Left of detect range (-x). (unit: cm)	Minimum detect distance. (unit: cm)	"y" direction minimum detect distance. (unit: cm)	"y" direction maximum detect range. (unit: cm)	Right of detect range (x). (unit: cm)	Max detect targets

(2.3). Sent "softReset" command to restart the radar.

3. Series TTL Data Output Format:

[Tid_] [Object No.] [t] [x:] [x value] [y:] [y value] [t] [p:] [Singla strenght] [n]

E.g:

Tid_0 x:0.26 y:0.90 p:115

Tid_1 x:0.34 y:1.86 p:216

...

In theory, the same frame can outputs max up to 32 targets.

Where: Tid_0, Tid_1, etc. represent the detected target; x represents the x coordinate of the target, the unit is meter; y represents the y coordinate of the target, the unit is meter; p represents the signal strength of the target, the larger the p value, the signal strength the stronger.