

Anti-Crush Radar PKR5301-A



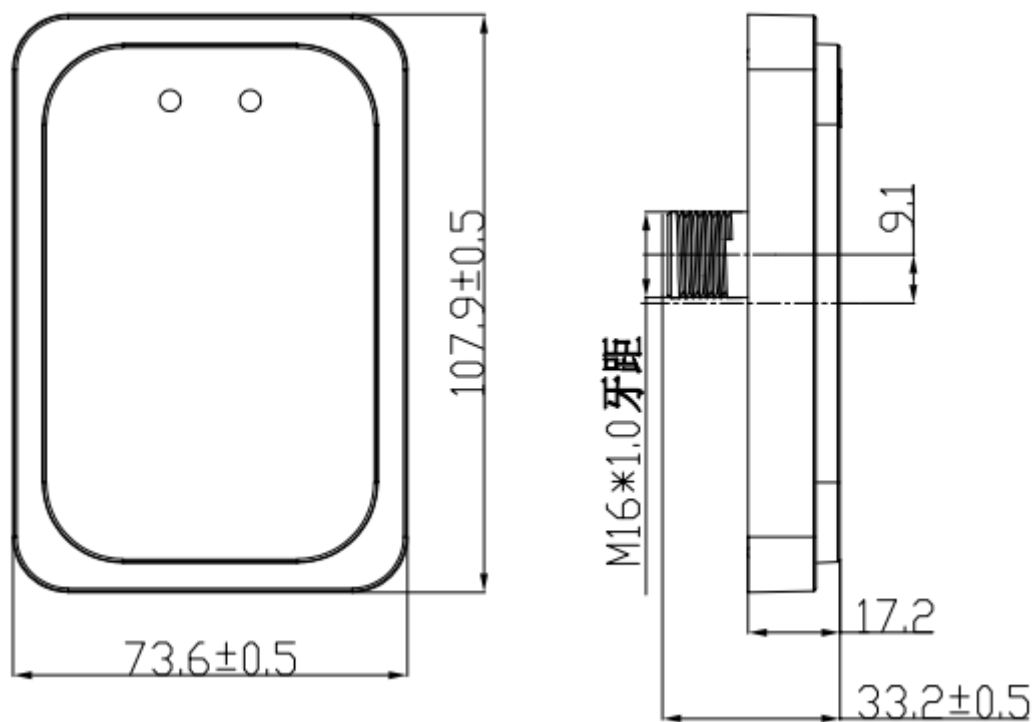
Features

- 79 GHz technology for higher resolution and more stable detection
- Accurately distinguishes people and vehicles, preventing impact and boom lowering failures
- Adjustable detection range and width; easy operation; highly versatile
- Background learning supported for enhanced scenario adaptability
- RS485 and Bluetooth communication; online firmware upgrade without disassembly; configurable via PC serial port and mobile app
- Detachable tail cable design for easy installation and maintenance; reduces labor and time
- LED status indicator for intuitive operation monitoring
- Auto-saves detection zone configuration; restores latest settings after power cycle
- 24/7 continuous operation; unaffected by weather or environment

Specifications

Model	PKR5301-A
Radar Parameters	
Detection Target	Supports person/vehicle discrimination; disabled by default
Beam Width	Horizontal $\pm 40^\circ$, Vertical $\pm 9^\circ$
Detection Range	Default ± 1 m (± 1.5 m configurable for straight booms; fence and advertising booms limited to 1 m, not adjustable)
Response Time	100ms
Interface	
Interface	1-Channel Dry Contact Output
General	
Operating Frequency	79GHz
Operating Voltage	DC 10-16V
Power Consumption	≤ 3.5 W
Operating Temperature	$-40^\circ\text{C} \sim 85^\circ\text{C}$
Dimensions	107.9*73.6*33.2mm
Upgrade & Debug	
Upgrade & Debug	RS485 Serial Port, Bluetooth Debugging
System Functions	
Log Recording	Support

Dimensions



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