AI-7L1

Anti-Jamming Antenna

The AI-7L1 anti-jamming antenna supports the reception of 7 channels of B1/L1 frequency signals and provides combined output after anti-jamming processing of the B1/L1 frequency signals. The antenna effectively suppresses wideband, narrowband, multi-tone, single-tone, sweep, pulse, and other suppression-type interferences at the B1/L1 frequencies. It is mainly designed for vehicle-mounted low-cost applications and small-sized UAV platforms.

- **Frequency Bands**

  B1/L1 Reception Bandwidth: 1568±10MHz

- **Power Consumption:** ≤ 13W

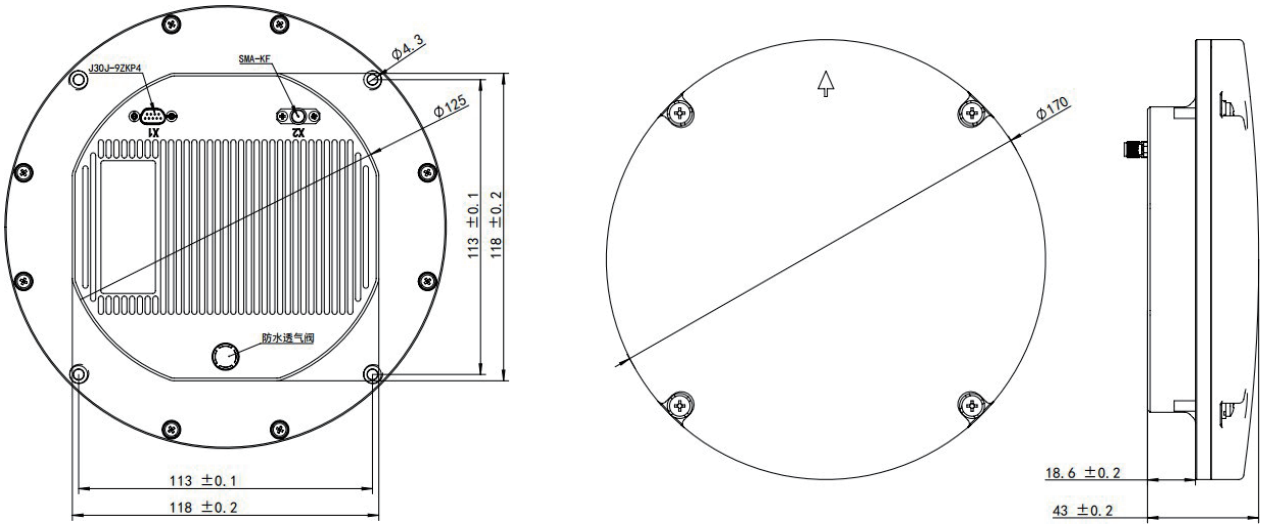
Specifications

Performance	**B1/L1 Anti-jamming Performance**	Single interference resistance: ≤105dB;
		Triple interference resistance: ≤ 95dB;Six-fold interference resistance: ≤ 90dB
	Antenna Output Power	-50~-70dBm
Physical	**Power Supply and I/O Interface**	J30J-9ZK
	Dimensions	170*170*43mm
	Weight	700g±20g
	Color	Gray
	Operating Temperature	-40℃ ~ +85℃
	Storage Temperature	-55℃ ~ +85℃
Electrical	+9~24V (default +12V) input, power consumption less than 13W	

AI-7L1

Website Social Media

Structural



Interfaces

X1: J30J-9ZK Interface Definition		
No.	**Name**	**Remarks**
1	Power Input	+9V~+24V
2	Power Input	+9V~+24V
3	Power Ground	GND
4	Power Ground	GND
5	232 Receive	RXD
6	232 Transmit	TXD
7	NC	NC
8	NC	NC
9	NC	NC
X2: SMA - K (RF Output)		