

SLA-8B1L1-110

8-Element Anti-interference Antenna

◆ PRODUCT INTRODUCTION

The SLA-8B1L1-110 ultra-compact 8-element anti-jamming antenna integrates an 8-channel B1L array antenna, an 8-channel anti-jamming module, and a high-performance receiver. It supports anti-jamming single-point positioning for the 8-element B1L1E1 frequency band and meets the technical requirements for various small-scale carrier applications.

◆ FEATURES

- * High integration: 8-element antenna, LNA, and anti-jamming processing
- * Ultra-lightweight: Total weight less than 300g
- * Highly adaptable: Suitable for various unmanned equipment platforms
- Excellent waterproofing: All antenna housing connections are sealed with waterproof gaskets
- Simple and easy to use: Operates immediately upon power-up without requiring any external information

◆ APPLICATIONS



Naval and Coast Guard Platforms



Armored Land Vehicles



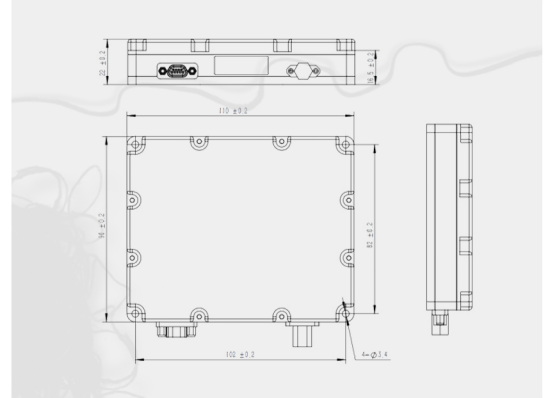
Critical Infrastructure EW Protection



Maritime EW Protection



Military Communications



Parameters	Index	Remark	
Anti-jamming	BDS B1I/GPS L1/GAL E1 : 1575± 2MHz	Simultaneous Dual-Band	
Operating Frequency	BDS B1I: 1561±2MHz	Anti-Jamming	
Positioning Mode	8-Element: B1L1E1 Multi-GNSS Anti-Jamming Positioning	Support single BDS, GPS positioning	
Serial Port 0	Output: Navigation Information, NMEA0183-4.0	Default is LVTTTL levels, Customizable to RS232 or RS422 levels upon request.	
	Update Rate : 1Hz(Default), 1~10Hz(Configurable)		
	Baud Rate : 38400(Default), Configurable		
Serial port 1	Can provide a Direct-connection Data Cable for connecting with Cube Orange	Default is LVTTTL levels, Customizable to RS232 or RS422 levels upon request.	
	Output: Jamming and Temperature Information, User-defined Format		
	Update Rate : 1Hz(Fixed)		
Power supply	DC 9~60V±10%	Customizable to 9–80 V	
Power consumption	≤9W		
Dimensions	90*110*22mm		
Weight	≤300g		
Built-in Receiver	Ublox: M10(Defu It)	For receiver specifications, please refer to the u blox official website.Optional For: UM960/MT910 Receiver	
Anti-interference Performance	Single Interference: ≥105dB	Anti-interference Performance	
	Dual interference: ≥100dB		
	Three interference: ≥95dB		
	Six interference: ≥80dB		
	Seven interference: ≥85dB		
RF Output Characteristics: ANT-OUT	Interface	SMA-KF,DC Blocked	For connection to the RF input port of a GNSS receiver.
	Impedance	50Ω	
	Gain	40±5dB	
Storage temperature	-40℃ ~ +65℃		
Operating temperature	-40℃ ~ + 65℃		