

SLA-8B1L1-165

Anti-Jamming 8-element Array Antenna Introduction

◆ PRODUCT INTRODUCTION

SLA-8B1L1-165 integrates 8 BDS B1/L1 receiving antenna, an RF receiving module, and an anti-jamming processing module to output interference-free RF signals. This antenna can simultaneously resist up to 7 jamming signals from different directions.

◆ FEATURES

- * Compact integrated design - Combines antenna, RF and anti-jamming modules in one unit, meeting the requirements for high reliability and low cost.
- * Reliable performance - Ensures stable GNSS reception in electromagnetic environments

◆ APPLICATIONS



Naval and Coast Guard Platforms



Armored Land Vehicles



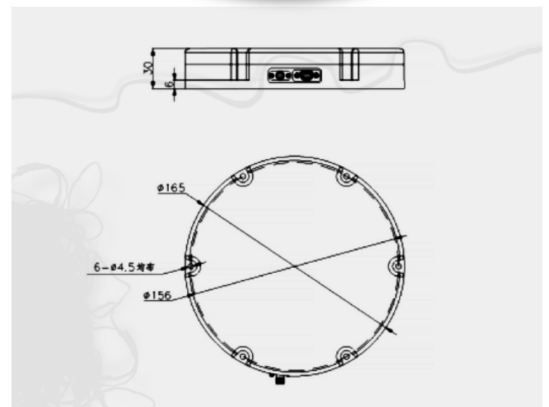
Critical Infrastructure EW Protection



Maritime EW Protection



Military Communications



PERFORMANCE

Category	Parameters	Indicator	Remarks
Receiving frequency	GPS L1/BDS B1C/Galileo E1 BDS B1I	1575.42±2MHz 1561±2MHz	The B1L1 frequency band has anti-jamming
	Anti-interference treatment	8-element B1L1 anti-interference	
RF characteristics	Output	SMA-KF	Can be directly connected to general GNSS receivers
	Impedance	50Ω	
	Gain	40±5dB	
	Standing Wave Ratio	≤2.0	
Built-in receiver	Noise Figure	≤3.0	
	Ublox M10	1~10Hz configurable	
	Power Supply	9~36V	
	Power consumption	≤12W	
Electrical Interface JY27496E	232 serial port 0	38400(Navigation information)	
	232 serial port 1	115200(For debugging)	
Anti-interference Property	Jamming Type	White noise, BPSK, sweep frequency, pulse, SW, etc.	
	Single interference	JSR≥115dB	
		JSR≥105dB	
		JSR≥90dB	
JSR≥85dB			
Physical Property	Storage Temperature	-40°C~+85°C	
	Operating Temperature	-40°C~+85°C	
	Weight	≤600g	