

## **Multi-band GPS BDS Galileo GLONASS IRNSS And QZSS Antenna**

### **Part No:AC-GBGGIQ-60**

#### **1. Introduction**

This antenna is multi-band antenna covering GPS, BDS, Galileo, GLONASS, IRNSS and QZSS system. The antenna features stable signal quality and more angle receiver on the practical conditions. Its proprietary filtering design allows wide band coverage while achieving superior out-of-band rejection. This antenna comes in an ABS shell ,non-corrosive low profile package for vehicle mounting or fixed installations.

This antenna is ideal for any global GPS/BD tracking or time synchronization application that requires an externally mounted antenna.



## 2. Specification

### Electrical

Antenna Performance	Frequency Range	GPS: L1,L2,L5 BDS: B1I, B1C, B2I Galileo: E1, E5b,E5a GLONASS: L1 QZSS: L1-C, L2C,L5 IRNSS:S-L5
	Antenna architecture	Stack four feed
	Polarization Type	RHCP
	Axial Ratio	≤2dB
	Antenna peak gain	0-2dBi for higher band (with 100x100mm GND) 3-5dBi for lower band (with 100x100mm GND)
	3dB beam width	122° on X-Z plane for higher band 122° on Y-Z plane for lower band 100° on X-Z plane for higher band 104° on Y-Z plane for lower band
RF Performance	LNA gain	30 dB typ. at all operation band on 3.3V
	Noise Figure	≤2dB
	Output SWR	<2
	Output impedance	50 Ohm
	Out-band rejection	Higher band In-band ±80MHz>35dB lower band In-band ±80MHz>35dB
	Support voltage	2.5-5.5V / 3.3V typ.
	Power consumption	22mA at 3.3V
	ESD protection	10kv air discharge 4kv contact
Mechanical	Housing	Black
	Cable	RG174
	Length	3m ,fully customizable
	Connector	SMA Male
	Antenna Radome Material	ABS
	Mounting way	Magnetic or Adhesive

Environmental	Antenna Dimension	60x60x23mm
	Weight	100g
	Operation Temperature	-40°C~+80°C
	Humidity	95%-100%RH
	Waterproof	IP67
	RoHS Compliant	YES

### 3.Drawing

