

GNB-55

Product Description

GNB-55 is a compact & sensitive GPS/GLONASS/Beidou/Galileo L1/L2/L5 antenna. Its proprietary noise filtering design ensures wide band coverage and out-of-band refection without compromising the performance. The GNB-55 enclosure is made of ABS and can be mounted by magnetic or 3M sticker. The multi-constellation antenna is suitable to a wide range of commercial and industrial applications which includes geo-spatial mapping, land monitoring, logistics, and vehicle tracking systems.

Support GPS Receiver Chipset Brands

- ✓ U-Blox
- ✓ Telit
- ✓ Qualcomm
- ✓ Mediatek
- ✓ Sierra Wireless, etc.

Highlight

- ✓ Magnetic mount, easy installation
- ✓ IPX7 Waterproof
- ✓ Support GPS & GLONASS frequencies
- ✓ LNA included

Applications

- ✓ Vehicle tracking & Fleet management
- ✓ Navigation
- ✓ Aviation or Geo-Locating

High Sensitivity & Low Profile GNSS Antenna



Mechanical Specification

Dimension	55(L) x 50(W) x 21(H)mm
Mounting	Magnetic Mount / 3M sticker
Cable	3m or 5m RG-174
Connector	SMA or other RF connectors
Enclosure Material	ABS
Operating Temperature	-40°C to 80°C
Storage Temperature	-40°C to 80°C

Electrical Specification - GNSS

Antenna	
Frequency	GPS L1: 1575.42, L2: 1227.6 MHz, L5: 1176 MHz Beido: B1: 1561 MHz GLONASS L1: 1602 MHz
VSWR	$\cong 1.8$
Dielectric antenna Gain (dBi)	1.0 dBic (1176MHz), 3.0dBic (1558 ~ 1612MHz) at Zenith Max
Axial Ratio	$\cong 15$ dB at Zenith
Polarization	R.H.C.P.
Impedance	50 ohm
LNA	
LNA Gain	28 ± 3 dB Typical
Noise Figure	0.8 dB
Filter Insertion Loss	≤ 1.8 dB
Supply Voltage	3-5 V DC
Current consumption	17-24 mA @ 3 V