

HIGAIN-RTK ANTENNA

HIGAIN-RTK PRECISION GNSS ANTENNA

The HIGAIN-RTK is a multi-constellation GNSS antenna supporting GPS L1/L2/L5, GLONASS L1/L2, Galileo E1/E2 and BEIDOU B1/B2/B3. Housed in a UV-Resistant, IP67 ASA radome, this antenna is ideal for precision GNSS applications including surveying, construction and positioning. Designed for pole-mounting, the HIGAIN-RTK antenna is terminated a N-Female connector.



Key Features

- ▶ Multi-Constellation GNSS
- ▶ Rugged IP67 Housing
- ▶ Pole-Mount
- ▶ UV-Resistant and Weatherproof
- ▶ Surveying, Measurement, Positioning

ELECTRICAL SPECIFICATIONS

Frequency Range	VSWR	Impedance	Axial Ratio	Gain @ Zenith	Polarization
GPS L1/L2/L5 GLONASS L1/L2 Beidou B1/B2/B3 Galileo E1/E2	<2.0:1	50 Ohm	<1dB Typical (3.0 Max.)	>5dBi (excluding coupler insertion loss)	RHCP
Noise Figure	Ripple	Band Attenuation	Voltage	Current	Overall Gain
1.0dB Typical (2.0 Max.)	± 2 dB	50dB min @ 1500MHz 50dB min @ 1650MHz 50dB min @ 1100MHz 50dB min @ 1350MHz	DC +3 ~ 12V	Typical 26mA (Max. 35mA)	L1/B1/E1 - 41 ± 4dBi L2/L5/B2/E2 - 39 ± 4dBi

MECHANICAL SPECIFICATIONS

Dimensions	Weight	Connector	Radome Material	IP-Rating	Operating Temperature
160x55mm (dxh)	385g	N-Female	ASA White Upper / Black Base	IP67	-40°C ~ +80°C

POPULAR ORDERING OPTIONS

HIGAIN-RTK-NF

HIGAIN-RTK Antenna with N-Female connector