

HA32 UAV GNSS Antenna



Contact NavtechGPS for product details. www.NavtechGPS.com
+1-703-256-8900 • 800-628-0885 • info@navtechgps.com

key features

- Multi-GNSS, multi-frequency
- GPS, GLONASS, Galileo, BeiDou, and Atlas® L-band
- Superior filtering and anti-jamming performance
- Proprietary 4-helix technology
- IP67 protection class
- Excellent for UAV, GIS, and RTK applications



The multi-GNSS, multi-frequency HA32 is a high-performance UAV GNSS antenna designed to receive GPS, GLONASS, Galileo, BeiDou, and Atlas L-band signals. The antenna, with its small form-factor, is designed specifically for UAV, GIS, and RTK applications. The HA32 is built on a proprietary 4-helix technology that provides superior filtering and anti-jamming performance. The antenna is equipped with an O-ring for easy installation and offers an IP67 enclosure rating.

Multi-GNSS Performance

GNSS Reception:	GPS L1/L2, BeiDou B1/B2, SBAS, Atlas L-band
Frequency:	1197 ~ 1247 MHz, 1539 to 1605 MHz
Polarization:	Right hand circular
Axial Ratio:	1 dB max @ Axis
Passive Peak Gain:	3 dBi, typical
LNA Gain:	30 dB, typical
LNA Noise Figure:	2.0 dB, typical
Out-of-Band Rejection:	>50dBc @ $f_0 \pm 200$ MHz
Power:	3.3 V DC to 6 V DC, 25 mA (typical)

Phase Center Variation

Less than 5 mm at GPS L1/L2 for elevations above 30 degrees

Mechanical

Dimensions:	40 D x 75 H (mm)
Weight:	40g, typical
RF Connector:	SMA plug connector

Environmental

Storage Temperature:	-40°C to +85°C
Operating Temperature:	-40°C to +70°C
Vibration:	RTCA DO-160G Section 8, Helicopter-Type
Mechanical Shock:	RTCA-DO-160G Section 7, Helicopter-Type
Enclosure Rating:	IP67



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