Hemisphere®

NavtechGPS
+1-703-256-8900 or 800-628-0885
info@NavtechGPS.com
www.NavtechGPS.com

A21 Antenna

SINGLE-FREQUENCY, MULTI-GNSS ANTENNA

The A21 antenna is designed to help maintain tracking of GPS, GLONASS, BeiDou, Galileo, and differential correction signals in challenging environments. At times, it may be impossible to keep the antenna level away from electrical noise. A21 offers superior noise reduction with a metal base, lower profile, improved multipath mitigation, and the ability to filter out an additional 30 decibels of radio band frequencies. A21 offers superior noise rejection. The A21 is designed for use with Hemisphere GNSS Crescent® and Crescent Vector™ II receivers.

GNSS Sensor

Signals Received:	GPS L1, GLONASS G1, BeiDou B1, Galileo E1, SBAS, and L-band
GNSS Frequency:	1.525 to 1.614 GHz
LNA Gain:	30 dBn
LNA Noise:	2.0 dB, typical

L-Band Sensor

L-Band Frequency:	1.525 - 1.614 GHz operation
L-Band LNA Gain:	30 dB

Power

Input Voltage:	3.3 to 12 VDC
Input Current:	24 mA, typical

Mechanical

Enclosure:	Aluminum base with ASA plastic top
Dimensions:	7.0 H x 13.0 D (cm) 2.9 H x 5.1 D (in)
Weight:	.38 kg (.84 lbs)
Mount:	5/8 inch female thread
RF Connector:	TNC (straight)

Environmental

Storage Temperature:	-40° C to +85° C (-40°F to +185°F)
Operating Temperature:	-40° C to +70° C (-40°F to +158°F)
Enclosure Rating:	IP69K
Shock/Vibration:	EP455

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