

AT661

GEODETIC GNSS ANTENNA



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INFRASTRUCTURE



ENHANCED GEODETIC GNSS ANTENNA

The AT661 GNSS antenna combines choke-ring like GNSS antenna performances but in a compact and lightweight enclosure. Low elevation tracking with optimal multipath rejection, wide-angle circular polarization and a stable phase center makes it suitable for high-precision geodetic applications including GNSS CORS and deformation monitoring.

DURABLE. FULL GNSS SUPPORT

A future-proof investment for your infrastructure.

The AT661's multi-band design supports all current and future GNSS signals, including GPS, GLONASS, BeiDou, Galileo, QZSS, IRNSS, SBAS and I -hand

ENHANCED GNSS TRACKING

Unique compact and low multipath design.

The antenna features both high gain LNA and wide beam width to provide excellent flexibility in applications requiring low elevation satellites reception and high availability of GNSS signals, especially in obstructed situations.

MILLIMETER ACCURACY

High phase center repeatability.

The accuracy of the antenna's phase center reaches the millimetre level with extremely high stability and repeatability to ensure perfect processing of GNSS data regardless of the length of the baselines.

BUILT TO LAST

Even under extreme conditions.

The AT661 is designed to withstand all types of weather, including high and low temperature fluctuations, and is protected by a waterproof, anti-ultraviolet radome. The AT661 GNSS antenna can operate continuously without interruption for long-term use.







GEODETIC GRADE FOR ANY APPLICATION

SPECIFICATIONS

;	Signal Tracking
GPS	L1, L2, L5
BDS	B1, B2, B3
GLONASS	L1, L2, L3
GALILEO	E1, E5a, E5b
QZSS	L1, L2, L5
IRNSS	L5
SBAS	
L-band	
	Performance
Polarization	RHCP
Axial Ratio	≤ 3 dB
Nominal Impedance	50 Ohm
VSWR	≤ 2
Phase Center Accuracy	±1 mm
LNA Gain	50 ±2 dB
Noise Figure	≤ 2.0 dB
Gain at Zenith (90°)	1164 - 1300 MHz: 6 dBi (minimum) 1520 - 1615 MHz: 6 dBi (minimum)
Passband Ripple	± 1dB
Input Voltage	3 to 12 VDC
Input Current	≤ 70 mA

Mechanical	
TNC female	
2 kg	
220 x 150 mm	
5/8" - 11 female thread	
Environmental	
-45°C to +85°C (-45°F to +185°F)	
-55°C to +85°C (-67°F to +185°F)	
95% non-condensing	
MIL-STD-810 G, 514.7	
IP65	
NGS bout notice	

^{*}All specifications are subject to change without notice.

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