



UA92

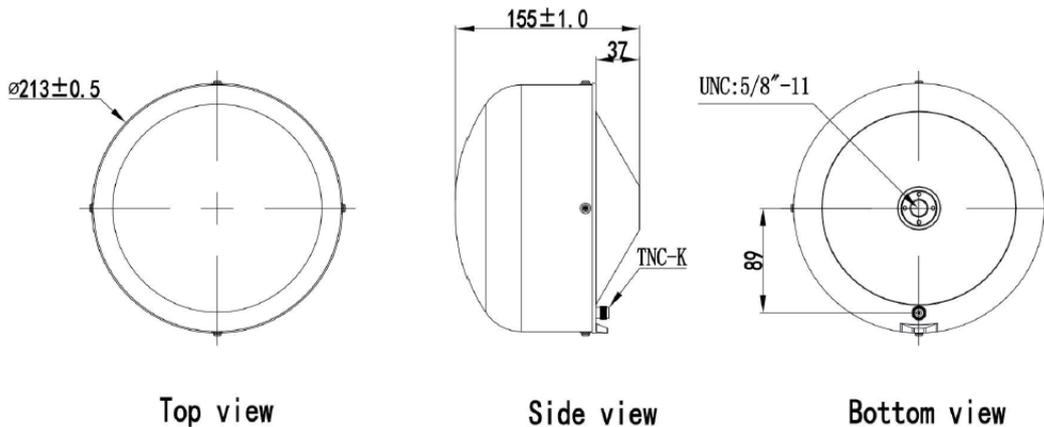
Choke Ring Antenna

- Phase center accuracy within 1mm
- Small size and light structure
- Unique choke-ring and design, with excellent multipath suppression effect
- High gain for low elevation angle signals, with strong satellite tracking ability
- IP67 waterproof and dustproof, can work outdoors continuously

UA92 is a multi-system full-frequency reference station antenna covering BDS, GPS, GLONASS, GALILEO. It adopts a unique choke structure design. The product has stable phase center, good multipath suppression effect, high positioning accuracy, and low elevation angle reception.

Product Specification

Antenna Performance		LNA Gain	40 ± 2dB
Frequency	GPS: L1/L2/L5 BDS: B1/B2/B3 GLONASS: L1/L2/L3 GALILEO: E1/E5a/E5b/E6 L-band	In-band Flatness	± 1dB
Polarization	Right-handed circular	Voltage	3.3 - 12 VDC
Axis ratio	≤ 2dB	Current	≤ 50mA
Antenna Gain	≤ 5.5dBi	Environmental performance	
VSWR	≤ 1.5	Operating Temperature	-40°C ~ +85°C
Phase Center Offset	± 1mm	Storage Temperature	-55°C ~ +100°C
Horizontal Range	360°	Humidity	Up to 95%
		Water/Dust Proof	IP67
Low Noise Amplifier Performance		Physical	
Characteristic Impedance	50 Ω	Dimension	Φ213 mm x H155 mm
VSWR	≤ 2	Weight	2.7 Kg
Noise Figure	≤ 1.5dB	Antenna Interface	TNC-K
		Mount	5/8-11UNC-2B



(Unmarked tolerance range $\pm 0.3\text{mm}$)

