



## Multi-frequency High Precision Survey Antenna

### DEVICE SUMMARY:

- The Antenna can receive signals from GPS, GLONASS, COMPASS, and GALILEO systems.
- It is suitable for high precision surveying, widely used in geodesy, road construction, marine survey, terminal container operations, etc.



### PRODUCT FEATURES:

**Strong antenna signal.** The antenna unit has high gain and wide beam pattern, which ensures good receiving effect for low elevation signal, and it can still work normally in some severe occlusion situations.

**high precision.** Multi-feed design scheme is used to ensure the coincidence of phase center and geometric center, and minimize the influence of antenna on measurement.

**Strong anti-interference.** It can work in complex environment.

Technical Parameter				
Frequency	GPS L1/L2/L5	GLONASS G1/G2	COMPASS B1/B2/B3	GALILEO E1/E5a/E5b
Max Gain	L1≥5.5dBi L2≥5.0dBi L5≥2.5dBi	G1≥5.0dBi G2≥4.0dBi	B1≥5.0dBi B2≥5.0dBi B3≥3.5dBi	E1≥5.5dBi E5a≥2.5dBi E5b≥5.0dBi
Polarization	RHCP		Output VSWR	≤1.5
Coverage Angle	360°		Axis Ratio	≤3dB
Output Impedance	50Ω		Phase Center Error	<±2mm

LNA Parameter		Mechanical Characteristics	
Active Gain	38±2dB	Size	D 150mm H 58.4mm
Noise Figure	≤1.8dB	Connector	TNC-K
Input VSWR	≤2.0	Weight	≤360g
Output VSWR	≤2.0	Operating Environment	
Delay of Differential	≤5ns	Operating Temperature(°C)	-45°C~+70°C
Supply Voltage	3~5.5V	Storage Temperature(°C)	-55°C~+85°C
Working Current	≤48mA	Humidity	95% non-condensing

