Survey-grade, multi-frequency, full constellation GNSS antenna with IP67 rated water and dustproof design.

Frequencies:
- GPS L1/L2/L5/L-Band,
- Galileo E1/E5a/E5b/E6,
- GLONASS L1/L2/L3,
- Beidou B1/B2/B3
- QZSS L1/L2/L5/L6

High gain, wide beam width, and top performance even at low elevation angles.
Multipath suppression technique improves performance in challenging environments.
Multi-feed design to ensure superposition of phase center and geometrical center.

Stable Carrier Phase Center
Accurate Attitude and Position
Compact Design

Breakthrough price
Easy Integration and Mounting
PERFORMANCE:

Frequencies:
GPS L1/L2/L5/L-Band, GLONASS L1/L2/L3,
BeiDou B1/B2/B3, Galileo E1/E5a/E5b/E6,
QZSS L1/L2/L5/L6, SBAS L1/L5 and IRNSS L5

Peak Gain: \( \leq 5.5 \text{ dBi} \)
Polarization: RHCP
Axial Ratio: \( \leq 3 \text{ dB} \)
Azimuth Coverage: 360°
Impedance: 50 Ohm
Output VSWR: \( \leq 2.0 \)
Phase Center Offset: 20.24 mm
Phase Center Accuracy: +/- 3 mm

LNA:

LNA Gain: 40 dB typical
Noise Figure: \( < 2.0 \text{ dB} \)
Output VSWR: \( < 2.0 \)
Operation Voltage: 3.3-12 V DC
Operation Current: \( < 45 \text{ mA} \)
Group Delay: \( < 5 \text{ ns} \)

Environmental:

Operating Temp: -40° to +80°C
Storage Temp: -55° to +85°C
Humidity: 95% not condensing
Dust & Waterproof: IP67

Mechanical:

Dimension:
Width: 152 mm
Height: 62.2 mm

Connector:
TNC Female

Screw Hole for assembly:
BSW 5/8"×11, 12-14mm

Weight: 500 g

Structure Overview: