

# UA35

### **GNSS ANTENNA**

The eSurvey UA35 covers the reception of GNSS signals such as GPS, GLONASS, BDS, Galileo, QZSS, IRNSS and L-Band. It has the superior performance of the antenna phase center. Its small size and light weight make it easy to carry around and operate.





#### **Powerful Satellite Tracking** Capacity

Obtain all available and reliable data sources with total channels and all signals (GPS, BDS, GLONASS, GALILEO, IRNSS, OZSS, and SBAS) of GNSS tracking.

#### **High Gain** (GPS L1 > 6 dBi, GPS L2 > 5 dBi)

No longer worry about the effect of Experience strong GNSS satellite tracking ability, and make your measurement work and data more reliable due to the excellent antenna gain.

#### **Superior Antenna Phase Center**

Further, improve the reliability of your measurement work due to the coincidence of the phase center and mechanical center that can make the phase center error less than 2 mm.

#### **Rugged Design**

Use it for many years with IP69K design that is protected against the ingress of dust and high temperature, high-pressure water making products with this certification ideal for use in conditions where equipment must be carefully sanitized.)

#### Small size and Light Weight

Easily carry it in a variety of complex environments.

#### **Excellent Axial Ratio Performance**

Axial ratio ≤6 dBi makes the UA35 antenna performance better.

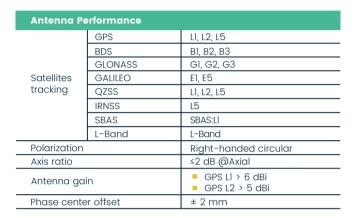




## **Product Specification**

# UA35

### **GNSS ANTENNA**



Low Noise Amplifier Performance	
Frequency range	1525 - 1615 MHz, 1182 - 1278 MHz
Characteristic impedance	50 Ω
VSWR	≤ 2.0:1
Noise figure	2 dB Max
LNA gain	39 ± 2 dB
In-band flatness	± 1.5 dB
Out-of-band suppression	<ul><li>L1 ± 200 MHz &gt;40 dBc</li><li>L2 ± 200 MHz &gt;50 dBc</li></ul>
Differential transmission delay	≤ 5 ns (L1-L2)
Antenna transmission delay	15 ns (Typically)
Voltage	3.3 - 15 V dc
Current	≤ 40mA



Environmental Performance	
Operating temperature	-40°C - +85°C
Storage temperature	-55°C - +100°C
Humidity	Up to 95%
Water/dust proof	IP69K RoHS EU directive

Physical	
Dimension	D146 mm x H46 mm
Weight	500 g
Antenna interface	TNC-F
Radome material	ASA plastic
Base material	Aluminum alloy
Mount	5/8-11 UNC-2B



