

R61 NET

Overview

R61 NET is a multi-functional and multi-communication Beidou/GNSS positioning receiver. It has a built-in Beidou/GNSS high-precision board, 4G global communication network module (optional), Bluetooth module, etc., which realize seamless switching between the wired network and 4G, greatly increasing the reliability and stability of network communication.



SPECIFICATION

MODEL	R61 NET
Signal	
BDS	B1I/B2I/B3I/B1C/B2a/B2b*
GPS	L1C/A/L2P(Y)/L2C/L5
GLONASS	L1/L2
Galileo	E1/E5a/E5b/E6*
QZSS	L1/L2/L5/L6*
Cold start time	< 25s
Initialization time	< 5s (Typical value)
RTK initialization reliability	> 99.9%
Recapture	< 1s
Accuracy	
Single point positioning	Plane: 1.5m
	Elevation: 2.5m
RTK Accuracy	Plane: $\pm (10+1.0 \times 10^{-6} \times D)$ mm
	Elevation: $\pm (15+1.0 \times 10^{-6} \times D)$ mm
Electrical and Physical	
Power Consumption	$\leq 5.4W$
Supply Voltage	9 ~ 36V DC
Working Temperature	-45°C ~ +75°C
Storage Temperature	-55°C ~ +85°C
Physical Dimensions	248mm×176mm×51.5mm
Weight	< 1.18Kg
Protection Level	IP67
Impact and Vibration	Resistance to 2m drop

Interface

Indicator	6
Data Output	NMEA-0183、 Binary Code
Data Refresh Rate	1 ~ 20Hz
Differential Format	RTCM3.0/3.2
Network Protocol	TCP、 NTRIP
Communication	RJ45、 4G、 BT
Interface	9pin aviation plug*2、 SMA*2、 TNC*1
Baud Rate	9600 ~ 921600

Note: The above information is for reference only and may be varied at delivery. For the latest data, please contact us.

Tel: +86-075586276295

Add: Room 213-214, Building 1, Mingliang Science Park, No. 88, Zhuguang North Road, Taoyuan Street, Nanshan District, Shenzhen, China,518055.



A10

Overview

A10 is a high performance survey GNSS antenna which offers superior satellite signal tracking, including BeiDou, GPS, GLONASS and GALILEO. It meets the requirements of high precision and multi constellation compatibility. And it can be used with a variety of receivers, suitable for various occasions.



SPECIFICATION

MODEL A10

PERFORMANCE

Signal Received	GPS	L1/L2/L5/L-band
	GLONASS	L1/L2/L3
	BDS	B1/B2/B3
	Galileo	E1/E5a/E5b/E6
	SBAS	L1/L5
	QZSS	L1/L2/L5/L6
	IRNSS	L5
Nominal Impedance	50Ω	
Polarization	RHCP	
Axial Ratio	≤3dB	
Gain at Zenith (90°)	1164-1300MHz 6dBi(maximum) 1520-1615MHz 5.5dBi(maximum)	

LAN

LNA Gain	40dB(typical)
Output VSWR	≤2.0
Noise Figure	≤2dB
Operation Voltage	+3.3 to + 12VDC
Operation Current	45mA
Group Delay Ripple	< 5ns

MECHANICAL

Dimensions	φ173.4*62.6mm
Connector	TNC female
Weight	≤500g
Mounting	BSW5/8"-11 screw, 12-14mm

ENVIRONMENTAL

Operating	-40°C to +85°C
Storage	-55°C to +85°C
Humidity	95% non-condensing
Water/Dust Resistance	IP67

