



C30 Cors Station

C30 is a high-performance GNSS receiver designed for the construction of foundation enhancement system, built-in Linux operating system, completely independent intellectual property development, rich interface types, diverse communication methods, support event input and large-capacity data storage, support a variety of sensor input, is the best choice for foundation enhancement system construction.

Full system full-frequency point GNSS receiver

The receiver integrates a high-precision positioning module, has completely independent core intellectual property rights, and supports BDS

B1I/B2I/B3I/B1C/B2a/B2b, GPS L1/L2/L5, GLONASS L1/L2, Galileo E1/E5a/E5b/E6, QZSS L1/L2/L5 full-frequency point signal reception and solution

Quick location function

The first positioning can lock the tracking satellite signal in a short time, so that users can quickly obtain accurate positioning

Rich interfaces and diverse communication methods

The host provides Ethernet, WIFI, serial port, Bluetooth and mobile network interfaces for customers to choose

Compatible with multiple protocols

Support 'Ntrip Client/Server/Caster', 'TCP Client/Server connection', 'FTP protocol file transfer', 'HTTP/HTTPS protocol', private network transmission function with protection policy

Products Specification

• Channels	1408
• Pseudorange Observation Accuracy(RMS)	10.0cm
• Carrier Phase Observation Accuracy(RMS)	1.0mm
• Single-Point Positioning Accuracy(RMS)	Horizontal: 1.5m Vertical: 3.0m
• RTK Positioning Accuracy(RMS)	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm
• Static Precision(RMS)	?
• Time Accuracy(RMS)	20ns(*Does not include latency caused by RF cables or antennas)
• NMEA Output	NMEA-0183
• Correction Data	RTCM3.0、RTCM3.2、RTCM3.3
• Recording Format	RINEX、Other
• Recording Interval	1Hz、2 Hz、5 Hz、10 Hz、20 Hz*
• Receive Data Availability	≥98% (Available data/collected data)
• Data Completeness Rate	≥98%

Interface Characteristics

• Baud Rate	Standard RS232 interface baud rate support 1200、2400、4800、9600、19200、38400、115200、230400bps
• Ethernet	Standard RJ45 interface, 10/100Mbps network adaptive
• WIFI	2.4GHz, IEEE 802.11b/g/n
• Internet Modem Support Band	LTE FDD: B1/B3/B5/B8LTE TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39CDMA: BC0 WCDMA: B1/B8GSM: 900/1800MHz
• Bluetooth	Version3.0 TransmitClassClass2 Frequency2.4~2.48GHz

Electrical characteristics

• Voltage	9-24V DC(12V typical)
• power consumption • *Power consumption in non-charging state	3.5W(typical) *The above power consumption does not include the power consumption consumed to charge the battery
• Battery	13000mAh@7.4V
• Working Time	≥20H *Brand new battery, at typical power consumption

Structural Properties

• Dimension	212x 162.5 x 74.5mm
• Weight	≤2.30kg
• Water/Dust Proof	IP67

Working Environment

• Operating Temperature	-40~+65°C *Battery life attenuation at -40°C
• Storage Temperature	-40~+85°C

