GNSS BASE STATION
PolyNav 2100B

The PolyNav 2100B is a multi-constellation triple-frequency (L1/L2/L5) GNSS base station. It is lightweight and robust. It can broadcast RTCM corrections in real time through serial and ethernet port. It also automatically records the RTCM messages in the internal storage for users to export or download for post processing. With our GUI application and a simplistic panel interface, the 2100B is straightforward to use.
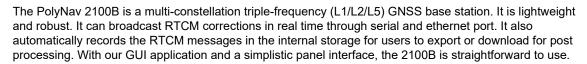
SYSTEM SPECIFICATIONS

GNSS

Constellations	GPS/GLONASS/BDS/Galileo
Signal Tracking	GPS L1C/A, L2C, L2P(Y), L5 GLONASS G1, G2 BDS B1I, B2I, B3I Galileo E1, E5a, E5b QZSS L1C/A, L2C, L5 SBAS L1C/A
Position Accuracy	
Single Point Positioning Horizontal Single Point Positioning Vertical	1.5 m 2.5 m
DGPS Horizontal DGPS Vertical	0.4 m 0.8 m
RTK Horizontal RTK Vertical	0.8 cm + 1 ppm 1.5 cm + 1 ppm
Time to First Fix	
Cold Start Warm Start Hot Start Signal Re-acquisition	< 30 s < 5 s < 2 s < 2 s
Data Rate	Up to 20 Hz
Differential Data	RTCM v3.x
Output Data	NMEA 0183, Proprietary Data

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Dimension	147 mm x 99 mm x 48 mm
Weight	475 g
Power	12 VDC
Interfaces	2 RS232 Ports, 1 Ethernet Port
Operating Temperature	-40℃ to +85℃
Storage Temperature	-55℃ to +95℃

Visit **www.polyexplore.com** for more information.

High Performance, Cost Effective Navigation Solutions.

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