

# TDR-2000

MBC RTK



## 고성능 Dual 안테나 GNSS RTK 수신기

TDR-2000 수신기는 멀티 GNSS (GPS/Galileo/GLONASS/BeiDou) 자료처리 기능을 탑재한 Dual 안테나 입력의 Dual Frequency RTK 수신기입니다.

TDR-2000을 통해 높은 정확도의 측위 결과와 정밀한 heading 정보를 얻을 수 있습니다.

## SPECIFICATIONS

GNSS TECHNOLOGY	
Channel	448
Satellites signal tracking	GPS: L1, L2 GLONASS: L1, L2 Beidou: B1, B2 Galileo: E1, E5b QZSS: L1, L2 SBAS: EGNOS, WAAS, GAGAN, MSAS, SDCM (L1)
Cold start(Time To First Fix)	≤45s
Aided start(TTFF)	≤20s
RTK Convergence time	avg. 1s
MEASUREMENT ACCURACY	
Static Accuracy	Horizontal: ±1.2m CEP Vertical: ±1.9m CEP
SBAS Accuracy	Horizontal: ±0.6m CEP Vertical: ±0.8m CEP
DGNSS Accuracy	Horizontal: ±0.4m CEP Vertical: ±0.7m CEP
RTK Accuracy	Horizontal: ±(10+1×10 <sup>-6</sup> D)mm Vertical: ±(10+1×10 <sup>-6</sup> D)mm
Heading Accuracy (b=Baseline)	b=1m: 0.15° b=5m: 0.03°
Time Accuracy	5ns
Update Frequency	Position only: ≤100Hz Position & Attitude: ≤50Hz

POWER SPECIFICATION	
Input	DC 12V 2.0A
INTERFACE	
Input Port	GNSS 1,2: TNC DMB, LTE: SMA POWER: 12V Barrel Jack WiFi: USB
Output Port	RS232 Serial (D-sub 9pin) RJ45 Ethernet GNSS 1,2 I/O: MicroUSB
Calibration Protocol	RTCM v3.x(RTK)
Output Protocols	NMEA-0183, SBF
Indicator	Power, MAIN(GNSS), RTCM, RTK, POS
Button	ENTER, SELECT
Setting Interface	Inertial Display / WEB UI
PHYSICAL	
Dimension	174mm x 45mm x 145mm (W x D x H)
Weight	500g
Work Temperature	-40°C ~ +85°C
Stock Temperature	-55°C ~ +85°C