

Compact, Lightweight, and Rugged Receiver

HiPer CR



Mighty precision unleashed

Get precise centimeter-level accuracy effortlessly with this compact powerhouse, ideal for various survey and construction tasks. The HiPer CR is an ultra-lightweight and compact solution that minimizes pole weight, ensuring easy mobility and field usability. Despite its small size, the HiPer CR excels in challenging canopy and jobsite environments, delivering exceptional performance.

GNSS TECHNOLOGIES (SIGNAL TRACKING)

| | |
|------------------------------|---|
| GPS | L1 C/A, L1C, L1P, L2P, L2C |
| GLONASS | L1 C/A, L1P, L2C/A, L2P, L2C |
| Galileo | E1 |
| BeiDou | B1, B2 |
| SBAS | WAAS/EGNOS/MSAS/GAGAN |
| QZSS | L1 C/A, L1-SAIF, L1C, L2C |
| Universal Tracking Channels™ | Topcon's patented GNSS signal tracking technology |
| GNSS Antenna | Integrated helical antenna |

POSITIONING PERFORMANCE

| | |
|---------------------|---|
| Precision Static | H: 3 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm |
| Static/Fast Static* | H: 3 mm + 0.4 ppm V: 5 mm + 0.6 ppm |
| RTK | H: 10 mm + 0.8 ppm V: 15 mm + 1.0 ppm |

COMMUNICATIONS

| | |
|----------------------|-------------|
| Longlink™ Bluetooth® | Up to 300 m |
| Bluetooth® | Yes |
| Ports | USB 2.0 |

DATA FORMAT AND MEMORY

| | |
|--------------------------|----------------------------------|
| Real-time Output formats | TPS, RTCM, CMR/CMR+, BINEX, NMEA |
| Internal Memory | 8 GB |
| Update Rate | Up to 10Hz |

POWER

| | |
|-----------------------|-------------------------|
| External Power Supply | 5 VDC |
| Battery | Li-ion 5,800 mAh, 3.6 V |
| Operating time | Up to 10 hours |

HARDWARE

| | |
|------------------------|--|
| Dimensions (W x D x H) | 4.7 x 4.7 x 19.7 cm (1.85 x 1.85 x 7.76 in.) |
| Weight | 0.44 kg (0.97 lb.) |
| Ingress Protection | Dust and water IP67 |
| Vibration | MIL-STD 810G |
| Drop | Survive 2 m pole drop on concrete surface |
| Operating Temperature | -40°C to 60°C (-40°F to 140°F) with external power |
| Humidity | 100% |

* Under nominal observing conditions and strict processing methods, including use of dual frequency GPS, precise ephemerides, calm ionospheric conditions, approved antenna calibration, unobstructed visibility above 10 degrees and an observation duration of at least 3 hours (dependent on baseline length).

