

GNSS and Network Solutions ▶ HiPer HR



HiPer HR

Compact, rugged and advanced, the Hiper HR is the right receiver for a broad range of applications.



⊕ Product Info



The HiPer HR GNSS receiver overcomes field challenges with a unique blend of technologies. If you're under tree cover, or can't get the pole plumb, or need to range widely from your base, or you need superb accuracy, or work in wet conditions, or all of the above, you'll be free to do your best work.

As part of the Elite Survey Suite hybrid positioning solution, using network correction, mounted to a vehicle or grade checking with Millimeter GPS, or an almost countless number of applications, the HR combines the features to help you succeed.

- Next generation Fence Antenna for superior reception
- Rugged, waterproof IP67 environmental design
- Cellular, LongLink and Radio communications all integrated
- 452 Universal Tracking channels
- Unique 9-axis TILT™ compensation
- Internal Wi-Fi and multi-spectrum Bluetooth
- Removable, hot-swappable batteries

⊕ Specifications

HiPer HR Specifications

GNSS Tracking

Number of Channels	452 with patented Universal Tracking Channel Technology GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS, L-Band Satellites Tracked: All in view
Update/Output rate	Up to 20 Hz

Communications

Radio	UHF(410-470MHz) SS (915 MHz)
LongLink	Yes
I/O Communications	Internal Cell modem Wi-Fi Bluetooth®
Memory/Data Storage	Up to 8 GB

Power and Electrical

Power	External power 6to28VDC 2 x Internal batteries 3.7 V, 2900 mAh each
Operation Time	Up to 9 hours with removable batteries

Physical and Environmental

Operating Temperature	-40°C to 65°C
Waterproof	IP67
Drop Test	2 meter pole-drop
Weight	1kg

Accuracy

Accuracy	Static/Fast Static: H: 3 mm + 0.3 ppm V: 5 mm + 0.5 ppm
*	Precision Static: H: 3 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm
	RTK (L1+L2): H: 5 mm + 0.5 ppm V: 10 mm + 0.8 ppm
**	RTK, TILT Compensated: H: 1.3 mm/ ⁰ Tilt; Tilt ≤ 10° H: 1.8 mm/ ⁰ Tilt; Tilt > 10°
	<i>Maximum recommended angle for tilt compensation is 15°</i>

*See brochure for more information.

**Subject to successful TILT calibration & operating environment free of magnetic disturbances

Topcon Positioning Systems, Inc.

7400 National Drive

Livermore, CA United States

For more information, and to locate a dealer closest to you, visit:

<https://www.topconpositioning.com/#dealerModal>

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