TOPCON

HIPER HR

MULTI-PURPOSE
GNSS RECEIVER



www.rusgeocom.ru



Modern Hybrid of Positioning Technology

- Compact, lightweight, rugged design – capable of withstanding a 2 meter pole drop
- Five unique data communication options
- All signals, all satellites, all constellations
- Field tested, field ready IP67 design
- Compact form factor ideal for Millimeter GPS and Hybrid Positioning
- Revolutionary 9-axis IMU and ultra-compact 3-axis eCompass

Better things in smaller packages

The HiPer HR is smaller and lighter, but don't let it's small size fool you. It's not only packed with the most advanced GNSS technology, it is also built to withstand the harshest field environments. The HiPer HR is built with a rugged aluminum-alloy housing, not weak plastic, so it can take the punishment of the job site.

Using Topcon's patented Fence Antenna™ design and advanced GNSS chipset with Universal Tracking Channel technology, the receiver automatically tracks each and every satellite signal above – now and into the future.

All signals, all satellites, all constellations — All in a compact, rugged design, with an integrated IMU and eCompass. Only available on the Topcon HiPer HR.

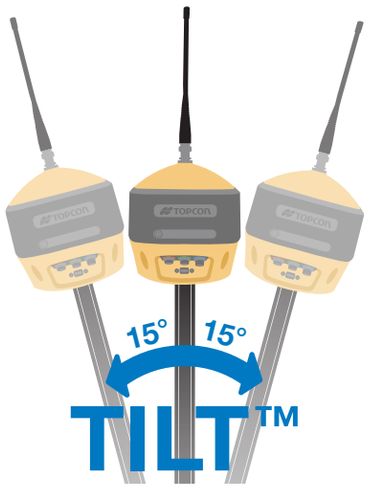


IP67 Waterproof Rating

TILT™- Topcon Integrated Leveling Technology

The HiPer HR incorporates a revolutionary 9-axis Inertial Measuring Unit (IMU) and an ultra-compact 3-axis eCompass. This advanced technology compensates for mis-leveled field measurements out of plumb by as much as 15°.

Awkward shots on steep slopes or hard to reach spots are now a breeze with TILT™.







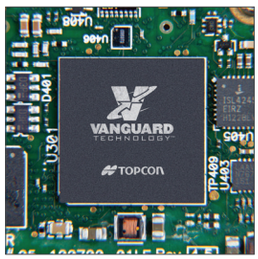
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GNSS Tracking	
Number of Channels	452 with patented Universal Tracking Channel Technology
Constellations	GPS IRNSS GLONASS Galileo BeiDou QZSS SBAS L-Band
Signals Tracked	Please refer to complete system specifications at www.topconpositioning.com/hiper-hr
Satellites Tracked	All in view
Accuracy	
Static, Fast-Static (L1/L2)	H: 3 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm
RTK (Network RTK)	H : 5 mm + 0.5 ppm V: 10 mm + 0.8 ppm
Data Update / Output Rate	Up to 20 Hz
Correction Data Protocols	
Streamed and/or Stored Data	TPS, RTCM SC104 ver 2.x, 3.x, MSM, CMR/CMR+, BINEX
Communication and Memory	
Optional Radio Type	UHF (410-470 MHz) SS (915 MHz)
Additional Communications	Internal Cell modem Wi-Fi Bluetooth® LongLink™
On-board Memory	8 GB pre-installed
Power	
Power Source	External power 6 to 28 VDC 2 x Internal batteries 3.7 V, 5200 mAh each 7.2 V, 2900 mAh each
Operating Time	Up to 9 hours with removable batteries
Environmental and Physical	
Operating Temp.	-40ºC to 80ºC
Water/Dust Rating	IP67
Drop and Topple	2 meter pole-drop
Weight	1 kg



Form and Function

The most advanced GNSS technology available, yet compact enough to fit in the palm of your hand.



Highly configurable

Designed to grow with you, unique electronic option files empower you to activate available features instantly – increasing functionality as project demands expand.



Superior performance

Standard with integrated cellular and LongLink™ wireless communication modules, choose either long-distance UHF or convenient Spread Spectrum radio as well.



Future proof

Topcon's full-wave Fence Antenna™ tracks all GNSS signals currently available and is designed to track the constellations and signals of tomorrow.

TOPCON

For more information:
topconpositioning.com/hiper-hr

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