



HIPER SR
EXTENDED RANGE
SITE RECEIVER



Compact. Rugged. Advanced. Affordable.



- Universal Tracking Channel technology
- Advanced Fence Antenna™ technology
- Compact, lightweight, rugged and cable free design
- Fully integrated LongLink™ and cellular configuration (optional)
- Dual SIM card support

All the functionality needed, nothing more

Providing leading edge technology in a smart, rugged design, the HiPer SR receiver provides superior performance at an affordable price. The compact integrated design includes all-in-view satellite monitoring through Universal Tracking Channel (UTC) technology, industry leading Fence Antenna, sealed long-life power supply, and memory storage.

The HiPer SR comprises two different communication options including Topcon's innovative LongLink communication technology and integrated cellular module (optional).

With the HiPer SR, made in the USA means that you don't have to sacrifice durability and performance to have a versatile 3D job site system. HiPer SR – a compact lightweight receiver that is built to take the most intense environmental conditions and job site punishment.

In addition to ruggedness, the HiPer SR is the most versatile, configurable, compact receiver system available. Use just two units in many configurations, depending on the demands of the project site. Use as a job site base and rover with interference-free LongLink communication up to 300 m or base and rover with MAGNET Relay cellular communication RTK up to 35 km baselines.

A pair of HiPer SR receivers can also be used with internal SIM cards as network rovers with Topcon TopNET/ive GNSS Reference Network, two network rovers with internet capable field controllers, two dual frequency static receivers, or in conjunction with a robotic instrument for Hybrid Positioning. All these configurations from just two receivers that can fit into any laptop carrying bag.



MAGNET® Relay service

In cellular mode, the global MAGNET Relay RTK service allows a HiPer SR receiver to be used as a mobile base station hosting and "relaying" corrections for up to 10 rovers.

MAGNET Relay is an RTK forwarding service that allows users to broadcast in-field base stations to their own private Company Account within the MAGNET Enterprise secure service for distributing the base station RTK messages to their own rover receivers.



GNSS Tracking	
Number of Channels	226-channel Vanguard Technology™ with Universal Tracking
GPS	L1, L2, L2C
GLONASS	L1, L2
SBAS	L1 C/A WAAS/MSAS/EGNOS/GAGAN
QZSS	L1 C/A
Antenna Type	Fence Antenna
Positioning Accuracy	
Static/Fast Static	H: 3.0 mm + 0.4 ppm V: 5.0 mm + 0.6 ppm
Precision Static**	H: 3.0 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm
RTK (L1 + L2)	H: 10 mm + 0.8 ppm V: 15 mm + 1.0 ppm
DGPS	H: 0.4 m, V: 0.6 m
SBAS	H: 1.0 m, V: 1.5 m
Communication	
RTK Broadcast	LongLink™ 300 m+, Up to 3 simultaneous rovers
I/O Communications	Bluetooth®, Serial, USB
Cellular	Integrated HSPA+/CDMA
Dual SIM card available	
Data and Memory	
Data Update/Output Rate	Up to 10 Hz
Real Time Data Output	TPS, RTCM SC104 v2.x, 3.x and MSM, CMR/CMR+
ASCII Output	NMEA 0183 version 2.x, 3.x and 4.x
Physical	
Dimensions	150 x 150 x 64 mm
Weight	850 g – Basic 925 g – Cellular
Status Display/Panel	MINTER
External Power Connector	Yes
Operation Time	Up to 20 hours
Environmental	
Operating Temperature	
Internal Batteries	-20°C to 65°C
External Batteries	-40°C to 65°C
Storage Temperature	-40°C to 70°C
Humidity	100%, condensing
Dust/Water Rating	IP67

** 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).



226-channel Vanguard with Universal Tracking

Topcon's exclusive channel tracking technology provides unmatched GNSS signal flexibility and expandability.



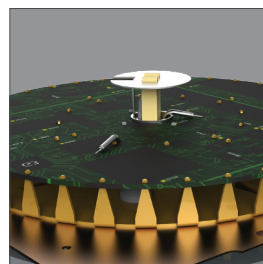
Integrated cellular (optional)

When cellular coverage is available, the HiPer SR is versatile enough for short or long range. MAGNET Relay serves up a simple way to perform mobile RTK session through a private environment.



Smart design

An innovative combination of compact and lightweight engineering within a tight environmentally sealed form – guaranteed to survive a 2 m concrete drop.



Fence Antenna™

Compared to competitive options, the proven Fence Antenna technology isolates each signal and reduces noise delivering unparalleled results.



For more information:
topconpositioning.com/hiper-sr

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