HiPer SR GIS

TOPCON

Scalable Receiver for GIS

- Compact, Lightweight, Rugged Design
- Completely Integrated Receiver, Antenna, Batteries, and Communications
- Superior Multi-Constellation Vanguard GNSS Chipset
- Scalable Accuracy for any GIS Application

HiPer SR GIS Scalable Receiver for GIS

Compact. Rugged. Advanced. Affordable.

Providing leading edge technology in a new smart, rugged design, the new HiPer SR provides superior performance at an affordable price. The compact, integrated receiver design includes the GNSS board, industry leading Fence Antenna™, and sealed long-life power supply.

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

The design of the HiPer SR also provides a great deal of versatility, allowing the HiPer SR to be configured in a variety of ways and accuracy levels, depending on your GIS project requirements.

The HiPer SR makes the perfect, affordable, small GIS data collection system. Use the HiPer SR with a Network DGPS or WAAS correction for submeter applications like natural resources and environmental projects. Scale up to sub-decimeter or centimeter accuracy by adding a cellular enabled controller to receive Network RTK corrections for high accuracy GIS projects such as utility location or roadside inventory projects. The HiPer SR is an affordable and accessible solution for any GIS accuracy requirements.

Rugged and Lightweight
The HiPer SR is both lightweight and rugged. It is guaranteed to survive a 2m on the pole drop to concrete. The magnesium metal housing is rugged and lightweight.

Integrated Design
HiPer SR brings an innovative combination of compact, lightweight design with advanced technology and performance. The integrated design includes GNSS receiver, power supply, memory, and communications module – all in a rugged, environmentally sealed housing.

Cable-Free Design
This completely integrated receiver operates cable free in the field, with no antennas, battery doors, or connectors to worry about. The mini USB port is completely waterproof.
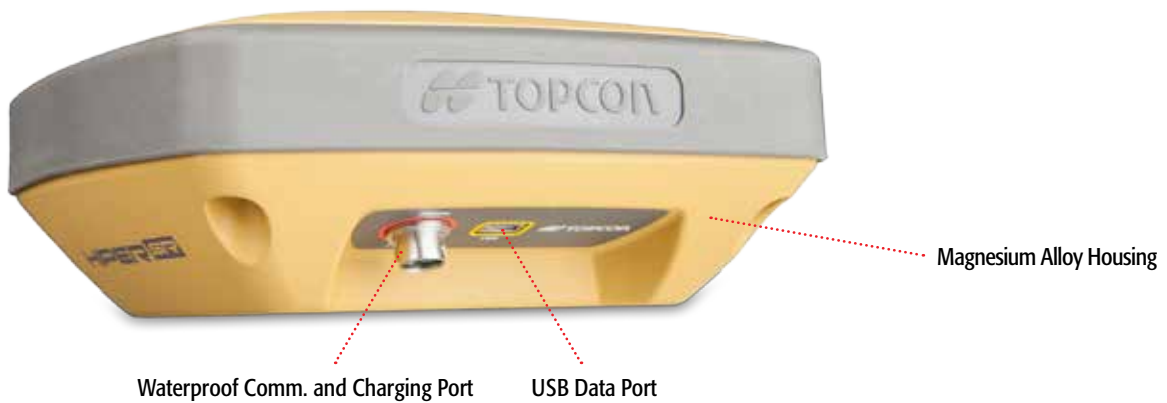
Vanguard Technology™
The latest Topcon GNSS chipset and firmware provide Universal Channel Tracking. The receiver firmware can read existing satellite signals, and new signals planned for the future.

Full of Functionality…. Fits in the Palm of Your Hand
The HiPer SR is capable of sub-meter accuracy and is upgradeable to sub-decimeter and centimeter for those that require additional accuracy. Lightweight yet tough enough to survive a 2m drop, and enough rechargeable battery for up to 20 consecutive hours of operation.

HiPer SR features the 226 channel, universal tracking capable Vanguard chipset with Fence Antenna™ technology for unmatched performance to meet the needs for all jobs, large or small.

PRIMARY FEATURES

VANGUARD TECHNOLOGY™

Vanguard GNSS Chipset

Fence Antenna™ Technology

Square "No Roll" Design

Simple MINTER with super-bright LEDs

Magnesium Alloy Housing

Waterproof Comm. and Charging Port

USB Data Port

Fence Antenna™ Technology

Provides superior satellite tracking in difficult conditions. The true separator of precision GNSS systems is not how well they can track in open areas, but in real-life situations with a variety of obstructions. When compared to any other RTK receiver available today, the HiPer SR with Fence Antenna™ Technology provides more robust, cleaner signal tracking which means unparalleled results.

KIT COMPONENTS

System Components

- HiPer SR Unit
- Battery Charger
- Mini USB Cable
- Soft Carry Case
- Software
- Manuals

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SPECIFICATIONS

Tracking

Number of Channels	226-channel Vanguard Technology™ with Universal Tracking Channels
Signals Tracked	GPS, GLONASS, SBAS, QZSS
Antenna Type	Integrated Antenna with Fence Antenna™ Technology

Positioning Accuracy

RTK (L1+L2)	H: 10 mm + 1.0 ppm V: 15 mm + 1.0 ppm
Fast Static (L1)	H: 3 mm + 0.8 ppm V: 4 mm + 1.0 ppm
Fast Static (L1+L2)	H: 3 mm + 0.5 ppm V: 5 mm + 0.5 ppm
DGPS:	H: .04 m V: .06 m
SBAS:	H: 1.0 m V: 1.5 m

Communication

I/O Communications	*Bluetooth®*, Serial, USB

Physical

Dimensions	6 x 6 x 2.5 in (w x d x h) 150 x 150 x 64mm
Weight	1.87lbs., 850g
Status Display / Panel	MINTER
External Power Connector	Yes
Operation Time	Up to 20 hours

Environmental

Operating temperature	-20ºC to +65ºC with internal batteries -40ºC to +65ºC with external power
Storage temperature	-40ºC to +70ºC
Humidity	100%, condensing
Water / Dustproof	IP67

For more specification information:
www.topconpositioning.com/hiper-sr-gis

SOFTWARE

eGIS

With an ever-increasing reliance on location based information, organizations are turning to mobile GIS solutions, and Topcon is ready to provide you the best software solution available with our eGIS mapping software.

Geographical Data Management

For applications such as utilities, disaster management, water and sewage plant operations, forestry, highway maintenance, or asset management, eGIS is all you need to capture data at any GNSS level, whether autonomous, DGPS, or centimetric RTK level.

Running on the Topcon Tesla, GRS-1, FC-25A or FC-236 controllers, this Windows® Mobile based software solution has been designed from the ground up to be as easy and intuitive to use as possible.

Choose the way you work

With a customizable user interface to suit the way your teams work, eGIS interfaces directly with the internal GNSS receiver and internal digital camera. The photos and geographic location and orientation of pictures are stored in the EXIF header information.

Exchange of Information

Data transfer to the PC couldn't be easier using our eGISSync utility. This tool automatically carries out the transfer of field data to and from your handheld device.

Compatible with ArcPad vector and raster maps, there are no conversions required to use the data in Geographical Information Systems.

Use our eViewer desktop program to easily view your maps. You can also view your data on a backdrop of your favorite web mapping system such as Google Maps, Google Earth, Bing Maps, or Microsoft MapPoint. In addition, eViewer includes tools to create and customize forms and toolbars.

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Your local Authorized Topcon dealer is: