Hyper VR

A variety of performances

Better things in smaller packages!

Made in Japan Topcon GNSS RTK GPS Hyper VR: HyperVR* is compact and lightweight, and incorporates cutting-edge GNSS technology designed to withstand the harshest field environments. Using Topcon's advanced GNSS chipset and universal tracking channel technology, HyperVR automatically tracks all satellite signals above, both now and in the future.

All signals, every satellite, every constellations are realized in a compact, robust design with integrated IMU and eCompass.

HiPer VR is a complete solution and is versatile in many ways. It can be used for static or kinematic GNSS post-processing investigations as a network RTK rover with an internal 4G/LTE mobile phone on the FC-5000. Can be used as a modem, UHF/FH/Longlink Worksite RTK Rover, and also in Topcon's patented hybrid positioning workflows.

Better things in smaller packages

The HiPer VR is smaller and lighter, but don't be fooled by how small it is. It's not just packed with most features. Advanced GNSS technology. It is also made to withstand the harshest on-site environments. Sturdy build Housing - not weak plastic - can be subject to harsh treatment on-site. Using Topcon's advanced GNSS chipset Universal Tracking Channels technology allows the receiver to automatically track all satellite signals. Top - To the present and the future. All signals, all satellites, all constellations - all in a compact and robust design, Integrated IMU and eCompass

Complete and cutting edge performance

- "M" universal tracking channel for all satellites, signals and constellations
Field-tested, field-compatible IP67 design
- Compact form factor ideal for millimeter-wave GPS and hybrid positioning
- Innovative 9-axis IMU and ultra-compact 3-axis eCompass

TILT" - Topcon Integrated Leveling Technology

The HiPer VR incorporates an innovative nine-axis moment of inertia. Unit of measurement
(IMLU) and ultra-compact 3-axis e-compass. This advanced technology Compensate for Miss- Field measurements are equally out of vertical As 15
Shots are difficult to take on steep slopes or areas where shooting is difficult. arrival TILT makes spots easier to find.

specification

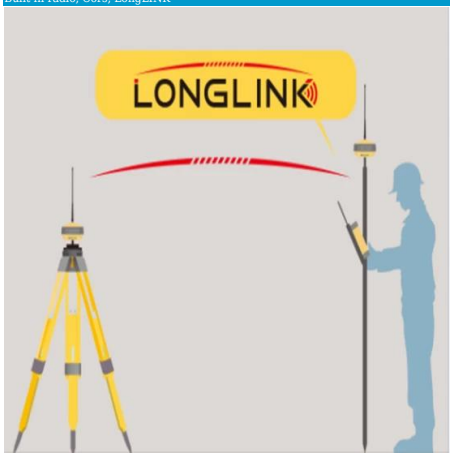
GNSS Tracking	
Number of channels	The 226 comes with Topcon's patented Universal Tracking Channels™ technology.
signal	
GPS signal	L1 C/A, L1C*, L2C, L2P(Y), L5, (*L1C if signal is available)
Gronus	L1 C/A, L1P, L2C/A, L2P, L3C* (L3C if signal is available)
Galileo	E1/E5a/E5b/Alt-BOC
Hokuto/BDS	B1, B2
IRNSS	L5
SBAS	WAAS, EGNOS, MSAS, GAGAN (L1/L5§) (L5 if signal is available)
L band	TopNET Global D&C Correction Service
Quasi-Zenith Satellite	L1 C/A, L1C, L1-SAIF, L2C, L5
Positioning performance	
Fast Static (L1L2)	Height: 3mm0.4ppm V: 5mm 0.5ppm
RTK (L1L2)	Height: 5mm0.5ppm V: 10mm 0.8ppm
Compensator tilt sensor*	H: 1.3 mm/° tilt; tilt ≤ 10° H: 1.8 mm/°Tilt;Tilt > 10°
DGPS	0.25mHRMS
Power and electricity	
Uptime	RX Mode - 10 hours TX mode 1W to 6 hours
General	
wireless	405-470 MHz UHF Radio **Maximum Transmission Power:** 1W **range:** Usually 5-7km. 15km
memory	Internal non-removable 8 GB SDHC
Physical and environmental	
Intrusion protection	IP67
Operating temperature	-40℃ to 65℃
Humidity	100%, condensed
Drop test	It fell from a height of 1.0m to concrete. Falls from a 2.0m pole onto concrete.
size	150 x 100 x 150 mm (Width x Height x Depth)
Weight	Less than 1.15kg

Why choose Hyper VR?

• Engineering GNSS receiver
Sturdy and affordable

• Multifunctional, small and lightweight
Weight less than 1150g

• Various communication modes
Built-in radio, Cors, LongLINK



Product Scenario Applications

1. Civil Engineering Uses

2. Street tests and stling

3. Water measurement

Packaging and shipping