

R26

The R26 GNSS receiver removes barriers to portability without sacrificing performance. Featuring full GNSS technology, it offers best-in-class GNSS signal tracking even in a harsh environment, enabling GNSS surveying beyond usual constraints. The R26 GNSS incorporates the latest innovations such as an inertial module providing automatic pole-tilt compensation in a very compact design.



ENABLE GNSS RTK ANYTIME, ANYWHERE

Full constellation

Strong battery life

RTK+IMU

SPECIFICATION

| MODEL | R26 | |
|-------------------------|----------------------------------|--|
| GNSS Performance | Channels | 432 channels based on Nebulas-II |
| | GPS | L1/L2/L5 |
| | GLONASS | L1, L2 |
| | Galileo | E1, E5a, E5b |
| | BeiDou | B1I/B2I |
| GNSS Accuracies | QZSS | L1, L2, L5 |
| | Real time kinematics(RTK) | Horizontal: 8 mm + 1 ppm RMS Vertical: 15 mm + 1 ppm RMS |
| | Post-processing kinematics (PPK) | Initialization time: < 5 s Initialization reliability: > 99.9% |
| | Post-processing static | Horizontal: 2.5 mm + 1 ppm RMS Vertical: 5 mm + 1 ppm RMS |
| | Positioning rate | Horizontal: 2.5 mm + 0.5 ppm RMS Vertical: 5 mm + 0.5 ppm RMS |
| | Time to first fix | Default 1 HZ, Maximum 20 HZ Cold start: < 25 s Hot start: < 10 s |
| | RTK tilt - compensated | Signal re-acquisition: < 1 s Tilt angle 0~60°, Tilt accuracy 25mm (within 30° accuracy) |

| | | |
|-------------------------|---------------------------------------|--|
| Hardware | Size (L x W x H) | 140 mm x 140 mm x 88 mm (5.5 in x 5.5 in x 3.5 in) |
| | Weight | 1.03 kg (2.27 lb) |
| | Environment | Operating: -45°C to +75°C (-49°F to +167°F) Storage: -55°C to +85°C (-67°F to +185°F) 100% condensation |
| | Humidity | 100% condensation |
| | Ingress protection | IP67 waterproof and dustproof, protected from temporary immersion to depth of 2 m |
| | Shock | Survive a 2-meter pole drop |
| | Tilt sensor | Calibration - free IMU for pole - tilt compensation. Immune to magnetic disturbances. |
| | Front panel | 4 LED indicators 2 physical buttons |
| | Bluetooth | v 4.0, Backward compatible with BT2.x |
| | Communication | Ports |
| Build-in UHF radio | | Transmit Power: 0.5 W to 2 W Protocol: Transparent, TT450S, Trimtalk, TRMMARK3, SOUTH, SATEL Frequency: 410-470MHz Transmitting power: 35W Working Range: 15-20Km |
| External Radio | | Link rate: 9600 bps to 460800 bps Range: Typical 5 km to 8 km RTCM2.x, RTCM3.x, CMR |
| Data formats | | 8 GB internal memory |
| Data storage | | 5 W (depending on user settings) |
| Power consumption | | 10200mAh |
| Li-ion battery capacity | | 20h(Rover) 10h(Base) |
| Electrical | Operating time on internal battery | 9 V DC to 36 V DC |
| | External power input | As Rover < 4.0W As Base < 10.5W |
| | Power consumption | |

Note: The above information is for reference only and may be varied at delivery. For the latest data, please contact us.

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