

| | Trimble R1 | Trimble R2 | Trimble R10 | Trimble Catalyst | Juniper Geode | Trimble EM100 ⁱ | Trimble T10 | Juniper Mesa 2 | Juniper Mesa 3 |
|--|-------------------------|---|--|---|---------------|----------------------------|-------------|----------------|----------------|
| Post-Processed Accuracyⁱⁱ | 50cm+1 ppm | 10mm+1ppm-50cm+ppm | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Real-Time DGPS Capableⁱⁱⁱ | SBAS or External Source | SBAS, External Source, or Omnistar® | SBAS, RTX, or External Source, or OmniStar | SBAS, RTX, or External Source | SBAS | SBAS, RTX, External Source | SBAS | SBAS | SBAS |
| Real-time Accuracy | <1m | 1cm-<1m | 8 mm+1ppm RMS | 1cm + 1ppm - 1m | <60cmiv | | 2-5m | 2-4miv | |
| EVEREST™ multipath rejection technology | YES | YES | NO | YES | NO | YES | NO | NO | NO |
| GLONASS tracking | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| Galileo tracking | YES | YES | YES | Galileo | Optional | Yes | Yes | YES | YES |
| BeiDou tracking | YES | YES | YES | No | Optional | Yes | No | YES | YES |
| Floodlight Technology^v | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| H-Star™ Technology | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Trimble RTX Correction | ViewPoint | CenterPoint®, FieldPoint, RangePoint, & ViewPoint | CenterPoint | CenterPoint®, FieldPoint, RangePoint, & ViewPoint | NO | ViewPoint | NO | NO | NO |
| External Antenna | NO | NO | NO | DA1 Required | Optional | Optional | NO | NO | NO |
| NMEA Output | YES | Optional | YES | YES | YES | YES | YES | YES | YES |

| | Trimble Geo7X Centimeter | Trimble Geo7x | Trimble Juno 5 | Juniper Allegro 2 & 3 | Juniper Archer 2 & 3 | Trimble Nomad 5 | Trimble TDC600 | Trimble TDC150 |
|--|--------------------------------|--|-------------------|--------------------------|---------------------------------------|-----------------------|-------------------|--|
| Post-Processed AccuracyII | 1cm + 1 ppm | 10-50 cm + 1ppm | 2-4m | N/A | N/A | N/A | N/A | N/A |
| Real-Time DGPS CapableIII | SBAS, RTX, External Source | SBAS, RTX, External Source | SBAS | SBAS | SBAS | SBAS, External Source | SBAS | SBAS or External Source |
| Real-time Accuracy | 1cm + 1 ppm | 10cm-1 m | 2-4m | 2 miv | 1-2.5 m Archer2/ 2 m Archer 3iv | 2-4m | <2 m | 1-100cm |
| EVEREST™ multipath rejection technology | YES | Optional (H-Star) | NO | NO | NO | NO | NO | NO |
| GLONASS tracking | YES | YES | NO | YES | YES | YES | YES | YES |
| Galileo tracking | YES | YES | NO | YES | YES | NO | YES | YES |
| BeiDou Tracking | YES | YES | NO | YES | YES | YES | YES | YES |
| Floodlight TechnologyV | YES | YES | NO | NO | NO | NO | NO | NO |
| H-Star™ Technology | YES | Optional | NO | No | NO | NO | NO | NO |
| Trimble RTX Correction | CenterPoint® | FieldPoint, RangePoint™ (H-Star Option) and ViewPoint™ | NO | NO | NO | NO | NO | CenterPoint, FieldPoint, RangePoint, and ViewPoint |
| External Antenna | YES, Zephyr Model 3 | Optional | Optional | Optional Allegro 3 | NO | Optional | Optional | Optional |
| NMEA Output | YES (10cm accuracy) | YES | YES | YES | YES | YES | YES | YES |

ⁱ This module is currently compatible with the Trimble Nomad 5, T7, and T10.

ⁱⁱ The distance between the base station and the rover affects accuracy. There is a degradation of 1 part per million (1ppm) as the distance between the base station and rover increases. Therefore, one millimeter of degradation occurs for every kilometer between the base and rover. The following factors increase the availability of 10 cm accuracy after H-Star™ post-processing: use of optional external antennas, longer elapsed time tracking uninterrupted L1/L2 carrier phase data, tracking of more GPS or GLONASS satellites with L2 measurements, shorter distance to the base station(s), and use of more than one base station for post-processing. Non Trimble receivers output NMEA data only and cannot be post-processed with Trimble post-processing software.

ⁱⁱⁱ SBAS (Satellite Based Augmentation System). Includes WAAS available in North America, EGNOS available in Europe, and MSAS available in Japan. External real-time correction sources include VRS or real-time connection to a local base station. Requires H-Star data to be collected for up to 2 minutes. Requires a minimum of 3 good quality dual frequency reference stations within 200 km, or one good quality reference station within 80 km. With one reference station, accuracy degrades by 1ppm beyond 80km. Code processing reduces accuracy to 50 cm.

^{iv} Trimble specifies accuracy to RMS (Root Mean Square), meaning a 68% confidence interval. This indicates that 68 out of every 100 positions should meet the accuracy specifications. The Juniper accuracy specifications are using CEP (Circular Error Probability). CEP only specifies that 50% of collected positions will be within spec. Be aware of the difference when comparing accuracies.

^v Floodlight satellite shadow reduction technology allows receivers to compute positions even with very weak satellite signals. Floodlight technology increases the number of positions that are gathered in difficult locations and boosts accuracy in those places where normally only low accuracy data is available.