The new Trimble Zephyr™ 2 and Zephyr Geodetic™ 2 antennas break new ground in GNSS surveying antenna technology. Both antennas support modular Trimble systems such as the Trimble® R7 GNSS and Trimble® 5700 GPS receivers, and can be used as part of the Trimble GNSS Infrastructure solution.

**Trimble Zephyr 2**
The Trimble Zephyr 2 GNSS antenna is typically used in roving applications. It minimizes multipath, and offers robust low elevation tracking and sub-millimeter phase center repeatability.

A Trimble GNSS rover comprising the rugged Zephyr 2 and a receiver such as the Trimble R7 GNSS is extremely flexible: Attach the antenna to the top of a pole, wear it on the purpose-built Trimble backpack, or drive with the Zephyr 2 mounted on the roof of a vehicle. The Trimble Zephyr 2 supports the way you want to work.

**Trimble Zephyr Geodetic 2**
The Trimble Zephyr Geodetic 2 antenna is ideal for control work. The Zephyr Geodetic 2 incorporates a large Trimble Stealth™ Ground Plane, which literally burns up multipath energy using technology similar to that used by Stealth aircraft to hide from radar.

The Zephyr Geodetic 2 antenna’s quality performance and extreme accuracy are achieved through sub-millimeter phase center repeatability, robust low-elevation tracking and significantly reduced ground-based multipath.

The Zephyr Geodetic 2 is extremely rugged. It is protected by weather-resistant materials and a low profile design, so when the antenna is used for a permanent installation, you can count on many years of continuous operation without the need for a radome.

**Comprehensive GNSS support**
The Trimble Zephyr 2 and Zephyr Geodetic 2 antennas offer full support for coming and near-future GNSS signals, including GPS L2C and L5, GLONASS, and even Galileo. This technology future-proofing, in combination with the rugged durability of each antenna, means any investment in a Trimble Zephyr GNSS antenna will last for many years.
Performance
Trimble Zephyr Geodetic 2 and Trimble Zephyr 2 antennas

• Broad GNSS Frequency Tracking Band Including:
  – GPS: L1, L2, L5
  – GLONASS: L1, L2, L3
  – Galileo: E1, E2, E5, E6
  – SBAS: WAAS, EGNOS, QZSS, Gagan, MSAS, and OmniStar

• Quality signal tracking, even below 5 degrees elevation

• Four point antenna feed for phase center stability and enhanced polarization

• TNC female signal connector

• Small cross-sectional area to reduce wind loading

• 13 dBm amplifier margin supports cable runs of over 60 m without special coaxial cable or in-line amplifiers

• North orientation marking on exterior

• 50 dB signal gain for reliable tracking in difficult environments

• Low voltage, low power consumption

• Integral low noise amplifier

• 5/8” x 11 female threaded stainless steel mount point

• Powered by GNSS receiver via coaxial cable

• Advanced LNA (low noise amplifier) to reduce jamming by high power out-of-band transmitters

Zephyr Geodetic 2 antenna only

• Trimble Stealth Ground Plane – integrated lightweight stealth technology with enhanced right hand circular polarization to reduce multipath interference

• Supplementary radome not required (available if desired)

Hardware

Dimensions
Zephyr 2…………………………… 16.5 cm diameter x 7.6 cm height
(6.5 in diameter x 3 in height)
Zephyr Geodetic 2…………………… 34.3 cm diameter x 7.6 cm height
(13.5 in diameter x 3 in height)

Weight
Zephyr 2……………………………………… 0.64 kg (1.4 lb)
Zephyr Geodetic 2…………………………. 1.36 kg (3 lb)

Operating Temperature……………….. –40 ºC to +70 ºC (~-40 ºF to +158 ºF)

Humidity……………………………………... 100% humidity proof, fully sealed

Shock and Vibration…………………. Tested and meets the following environmental standards:
    Shock………. MIL-STD-810-F to survive a 2 m (6.56 ft) drop onto concrete
    Vibration…. MIL-STD-810-F on each axis

Input Voltage……………………………. 3.5 V DC to 20 V DC
Input Current……………………………. 125 mA maximum

Specifications subject to change without notice.