

SPECIFICATION



DIMENSIONS

- LENGTH** ▶ 13.3" (338 mm)
- WIDTH** ▶ 5.6" (141 mm)
- HEIGHT** ▶ 4.6" (118 mm)
- WEIGHT** ▶ 4.2 lbs (1.90 kg)

ACCURACY

- AZIMUTH/HEADING¹** ▶ 0.5° RMS
- TILT** ▶ +/- 0.1° (Typical)
- ROLL** ▶ +/- 0.1° (Typical)
- HORIZONTAL POSITION¹ SBAS (WAAS)** ▶ 0.82 ft. (0.25m) RMS
- HEIGHT** ▶ 0.04" (1mm) Typical with 3ZRFA-LRF Laser Rangefinder

LCD DISPLAY

- SIZE** ▶ 5.00" diagonal
- RESOLUTION** ▶ 800 x 480
- TYPE** ▶ TFT-WVGA
- VISIBILITY** ▶ +/- 85° Horizontal, +/- 85° Vertical
- LUMINANCE** ▶ 800 cd/m² (800 nits)
- GLASS** ▶ 0.07" (1.8mm) thick, chemically strengthened
- INTERFACE** ▶ Projected Capacitive Touch

CAMERA SPECIFICATION

- RESOLUTION** ▶ 690 x 435
- LENS SIZE** ▶ 1/3" (5.8 mm)
- S/N RATIO** ▶ 39 dB Wide Dynamic Range (up to 100 dB)
- FIELD OF VIEW** ▶ ~50° (H); ~30° (V)

GNSS

- RECEIVER TYPE** ▶ Dual-Frequency, Multi-GNSS
- DIFFERENTIAL CORRECTIONS** ▶ SBAS (WAAS)
- CHANNELS** ▶ 744
- RECEIVER SENSITIVITY** ▶ -142 dBm Strong Multipath Mitigation and Interference Rejection
- SBAS TRACKING** ▶ 3-Channel, Parallel Tracking
- CONSTELLATIONS** ▶ GPS, GLONASS, BEIDU², GALILEO²

ENVIRONMENTAL

- OPERATING TEMPERATURE** ▶ -20 to +60 °C (-4 to +140 °F)
- STORAGE TEMPERATURE** ▶ -20 to +50 °C (-4 to +122 °F)
- EMC** ▶ FCC Part 15 Subpart B, CE, IC
- IP RATING** ▶ IP65 rated for protection against infiltration of dust and water from all directions

BATTERY

- CHEMISTRY** ▶ Li-Ion
- OPERATIONAL TIME** ▶ 6 - 8 hours

BATTERY CHARGER

- VOLTAGE INPUT** ▶ 100/240 VAC, 50/60 Hz
- CURRENT INPUT** ▶ 0.35 A (max)
- VOLTAGE OUTPUT** ▶ 5 VDC
- CURRENT OUTPUT** ▶ 2 ADC

STORAGE CAPACITY³

- WITH CAMERA** ▶ 57 sites
- WITHOUT CAMERA** ▶ 332 sites

CONNECTIVITY

- ▶ Micro USB 2.0, Bluetooth 4.0/BLE,
- ▶ WiFi Dual Band 2.4/5GHz 802.11 a/b/g/n



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¹ Depends on multipath environment, number of satellites in view, satellite geometry and ionospheric activity
² Available upon request
³ Assumes 6 antennas per site