

RF VISION

antenna alignment tool

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