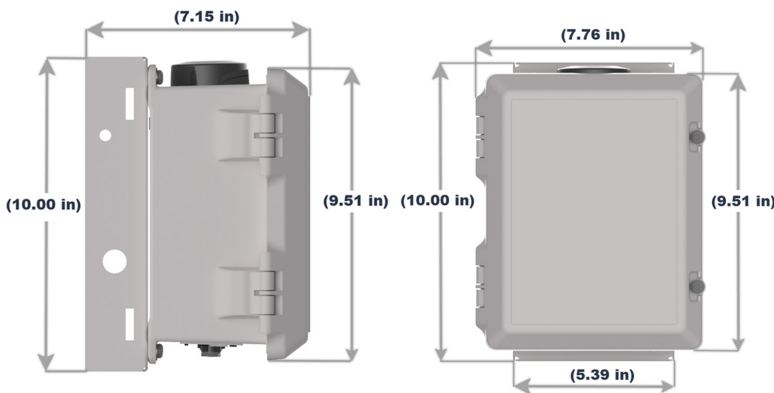# STATTRAK-E

ALL TRAFFIC
S O L U T I O N S

The StatTrak-E is a wireless traffic data collector that provides vehicle counts, speeds, and classification of vehicles (small, medium,and large).

The StatTrak-E captures traffic data for up to four lane roadways bidirectionally or for two lanes of traffic moving in the same or opposite directions. Data and reports can be retrieved from the StatTrak-E via bluetooth or through our cloud-based software, TraffiCloud.

Dimensions

- Unit alone: 10.00 in / 25.4 cm (h) x 7.76 in / 19.7 cm (w) x 7.15 in / 18.16 cm (d)
- Weight:
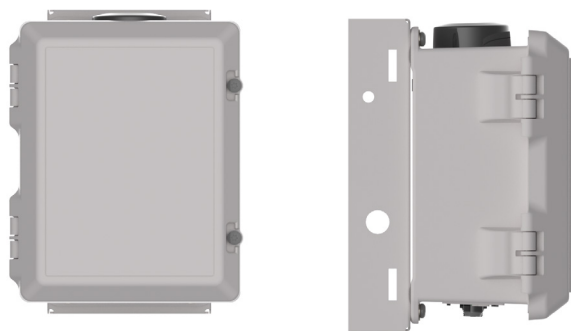 - StatTrak-E, without batteries: 5 lb / 2.27 kg

Key On/Off Switch

Charge Solar Panel

Technical Specifications

- Detection (same direction or bidirectional)
  - Speed
    - Miles per hour (mph): 3 - 99 mph
    - Kilometers per hour (km/h): 5 -160 km/h
  - Count
  - Classification:
    - Small
    - Medium
    - Large
- Operating temperatures F (C): -4°F (- 20°C) to 140°F (+60°C)
- Conformal coating on all circuit boards

Communications

- Cellular 4G/LTE

Programming

- o   TraffiCloud remote management (optional)
- o   StatTrak-E Android App

Data Collection, Statistical Analysis, and Reporting

- ·   Traffic data collected and stored by location
- ·   Traffic data uploaded to the TraffiCloud platform automatically over the cellular connection
- ·   Statistical reporting and charts: StatTrak-E includes 10 specialized traffic reports, including vehicle counts and classifications by small, medium, or large, listed below:
  - o   Full custom reports and charts
  - o   Summary comparison reports
  - o   Power supply reports
  - o   Traffic analysis reports
  - o   Speed by direction report
  - o   Classification direction report
  - o   Compliance and risk by direction report
  - o   Volume by speed direction reports
  - o   Traffic volume by direction report
  - o   Raw data reports
  - o   Other features:
    - o   Minimum and maximum speed, and 85th percentile speed
    - o   Counters by speed bins and 5 units (mph or km/h) speed bin resolution
    - o   Reports print directly or can be exported into CSV format, MS Excel, Adobe Acrobat PDF, and HTML
    - o   Charts may be printed directly or converted into Adobe Acrobat PDF and image formats

Power

Power input:
- o   100~240VAC @ 150 mA
- o   12 V DC (11-14.5 V @ 1A maximum)
- o   Wireless battery charge status monitoring (via software interface)

Power options:
- ·   **DC battery powered option:**
  - o   Two 12.8V, 11.5 Ah Lithium batteries
  - o   Unit Weight, including two batteries: 10 lb / 4.54 kg

- ·   **Solar power option:**
  - o   One 12.8V, 11.5 Ah Lithium battery
  - o   20W solar panel
  - o   Solar panel weight: 5.5 lb / 2.49 kg
  - o   Unit Weight, including one battery: 7.5 lb / 3.40 kg

- ·   **Solar charger:**
  - o   5A @ 12V MPPT 65W
  - o   Weight: 2.8 oz (80 g)
- ·   Keyed On/ Off switch, see (Figure 4) on the previous page

Radar

- ·   **Internal Radar:** Doppler (FCC approved)
- ·   **Model:** IVS-947
- ·   **Radar RF out:** 5mW maximum
- ·   **Radar f-center:** 24.250 GHz
- ·   **Pickup distance:** Up to 164 ft / 50 m
- ·   **Beam angle:** 24° (v) x 12° (h)
- ·   **Beam polarization:** Linear
- ·   **CE Mark (Radar):** Yes

Enclosure

- ·   Vandal resistant, lightweight polymer
- ·   Weatherproof, NEMA 4X-12, IP65 level compliant

For more information visit us online at AllTrafficSolutions.com

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