PRODUCT SPECIFICATIONS:

CROSSTRAK TRAFFIC VOLUME COUNTER

CrossTrak Counter and Classifier

- Side fire FMCW radar unit
- Volume measurements on per vehicle, per lane basis for up to 6 individual lanes
- Very low power, 0.25Watts
- Self-contained, no other cabinets needed
- **Dimensions:** 6.73" x 4.76" x 3.15" (171mm x 121mm x 80mm)
- **Weight:** 3lb (1.4kg)
- Works in all weather and light conditions
- FCC certified and CE listed
- Built in color VGA camera makes installation and aiming simple
  - o VGA camera
  - o Use for setup
- **Communication**
  - o Built in Bluetooth (Class 1, long range – up to 1000')
  - o Data and power cable with USB and charger connections
  - o RS232 interface
- Windows application to analyze vehicle count data from local collection with detailed reports
- Android App for setup with camera view
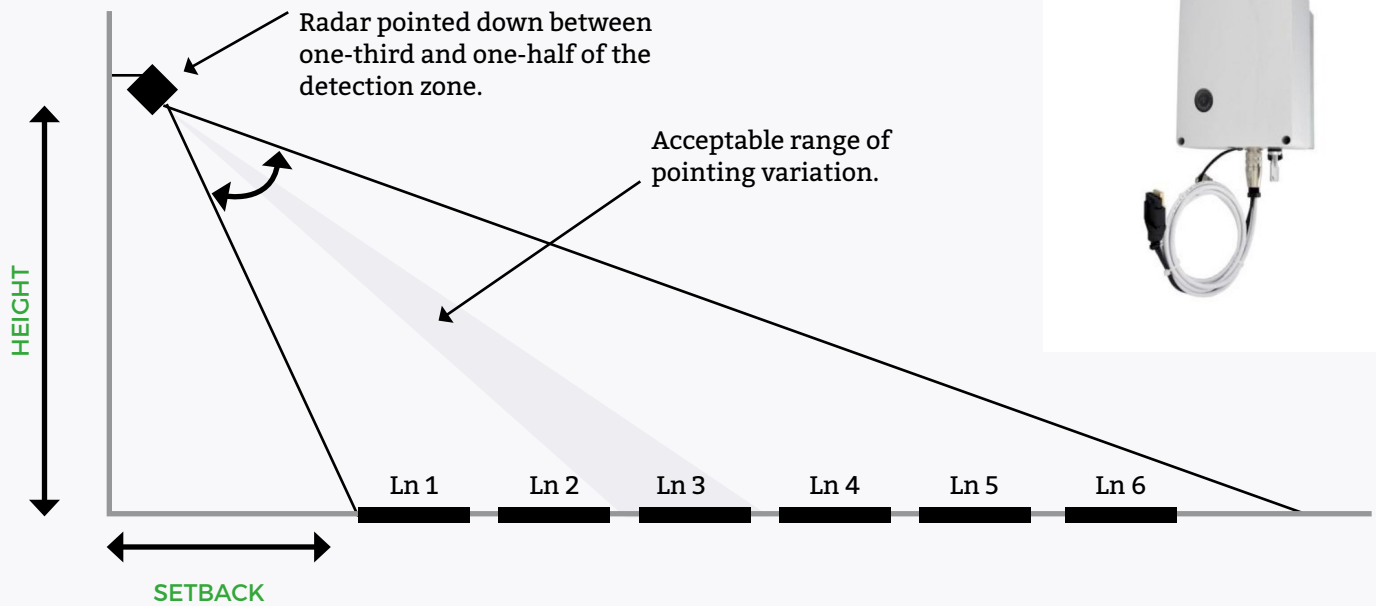
Installation Parameters

- 6 lanes maximum
- **Range:** 120 feet (36.5m) in highway mode, 80 feet (24.4m) in intersection mode
- **Resolution:** .375" in highway mode, .25" in intersection mode
- Simple installation using real-time target map. No calibration, no measurements, no trigonometric computations are required on the road
- Weatherproof security switch for turning unit on and off, NEMA 4X polycarbonate enclosure, weatherproof connectors
- Beeper to indicate passing vehicles during setup facilitates high-confidence deployment
- **Minimum setback:** 6 feet (2m), dependent upon number of lanes
- **Operating temp:**
  - o Without battery: -40C to 60C
  - o With LFP battery: -20C to 60C

Radar

- 5mW maximum
- 24.020-24.230 GHz (K Band)
- **Beam angle:** 20° x 60°

Performance

- **Volume Accuracy typical:** 98% per lane

Radar pointed down between one-third and one-half of the detection zone.

Acceptable range of pointing variation.

HEIGHT

Ln 1   Ln 2   Ln 3   Ln 4   Ln 5   Ln 6

SETBACK

COMING SOON:

TraffiCloud Web-based Management Services

- Automatic data collection
- Turnkey, hosted system
- Hosted data available to run variety of reports
- Alerts for power issues
- Map view with locations of all equipment
- SDK available for API
- Includes modem and cellular service

Data Storage

- Data available real time, also stored in device memory
- Onboard storage for 4+ months of data

Power

- **Input:** 12VDC, 0.25W (7-15VDC, Optional isolated 9-32VDC)
- Internal LFP (LiFePO4, 6.6Ah) battery provides operation for up to 7 days for temporary installations
- AC Charger, 2A LFP charger
- Internal MPPT solar charger controller for optimal solar charging (optional)
- 10W solar panel (optional)