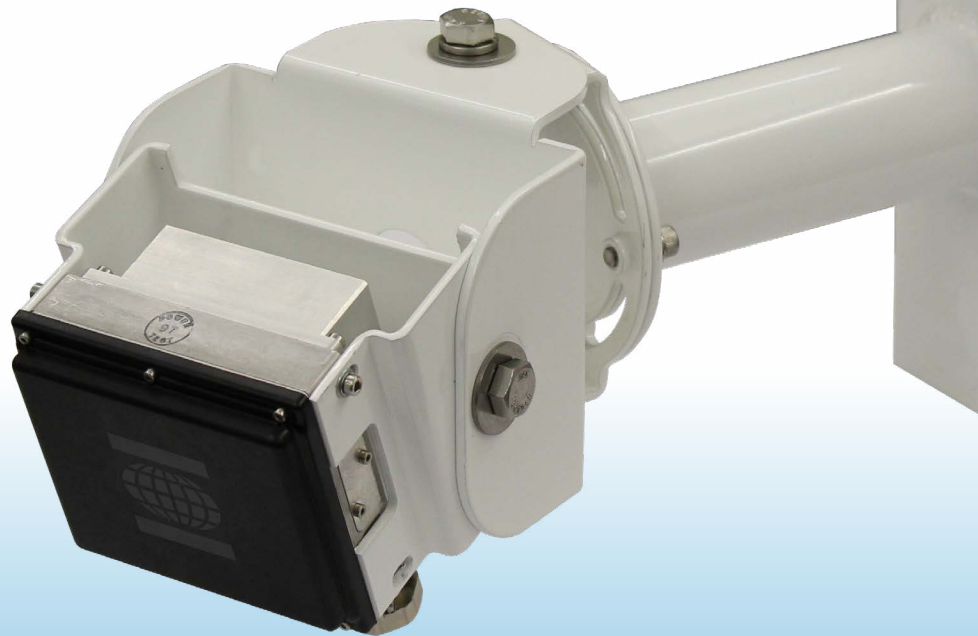


AccuScan 300



▷ ▷ The advanced capabilities of radar-based detection far outweigh the simplicity of inductive loops.

About AccuScan300

The cornerstone of any ITS program is vehicle detection at a signalized intersection. The key is for accurate, reliable and maintenance free vehicle presence detection at the stop bar. The Econolite AccuScan 300 radar-based detection solution is specifically designed to provide accurate stop bar detection for signalized intersection control. It provides up to six lanes of vehicle detection at up to 344 feet – enabling vehicle queue detection. AccuScan 300 is a forward-fire radar sensor delivering precise sampling measurements on an individual lane bases, ideal for single and multi-phase intersections. AccuScan 300 is an Intelligent Transportation System (ITS) solution with central management software that is convenient for fast integration to existing network infrastructure.

AccuScan 300 works with Econolite's radar sensor configuration and management software (TMConfigurator), which allows for easy sensor setup and programming of detection zones. AccuScan 300 is fully compatible with 170/2070 and NEMA controllers and multiple sensors and can be easily integrated into NEMA or 33X series cabinets using one full-width detector rack-compatible interface module (TMIB).

At A Glance

- ▷ Stop Bar vehicle and bike detection
- ▷ By lane detection accuracy
- ▷ Loop replacement (non-intrusive detection)
- ▷ Flexible installation
- ▷ On-board Attitude Sensor simplifies sensor aiming
- ▷ Custom trigger conditions
- ▷ ETA, Dilemma Zone, Queue Length, and Speed measurement
- ▷ Convenient installation wizard
- ▷ Geographical Awareness





Intersection features and functions:

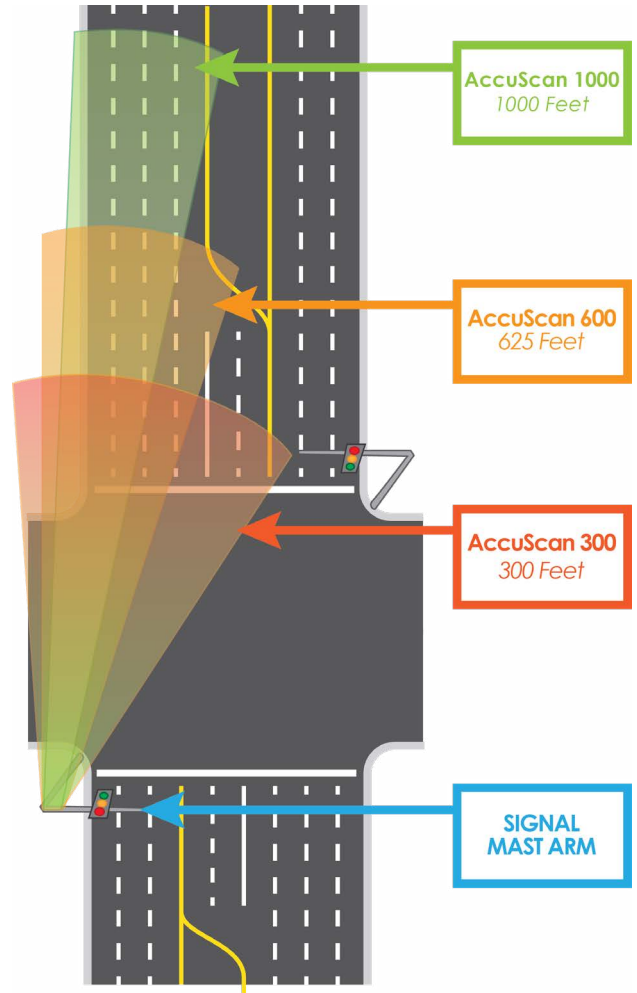
- Stop Bar Vehicle Detection for up to 6 lanes
- Counting and Classification
- Wrong Way Detection (vehicle moving opposite to the defined direction of traffic)
- Speed measurement

Installation Parameters:

- Traffic Direction: Approaching & Receding
 - Typical Mounting Height: 18-24ft (6-8m)
 - Typical Sensor Azimuth Angle: -12°
 - Typical Sensor Elevation Angle: -6°
 - Typical Stop Bar Detection Distance: 60-150ft (20-50m)
- (Parameters may vary based on site geometry and detection objectives)

General Data:

- Sensor Performance
 - Maximum Range Typ. 344 ft (105m)
 - Range Accuracy: Typ. $< \pm 2.5\%$ or $< \pm 0.25m$ (bigger of)
 - Speed Accuracy: Typ. $< \pm 0.28m/s$ or $\pm 1\%$ (bigger of)
 - Update Time: $\leq 50ms$
 - Track Initialization Time: 6-10 cycles
 - Simultaneously Tracked Objects: up to 64
- Interface
 - RS485 half/full duplex
 - 100BaseT Ethernet
- Environmental
 - Ambient Temperature: -40°F to +185°F (-40°C to +85°C)
 - IP 67 (with connector mated)
- Mechanical
 - Weight (Approximate): 10.22oz (290g)
 - Dimensions (LxDxH)...3.7in x 1.5in x 3.3in (95mm, 38.1mm, 85mm)
 - Connector: Hirose LF10 series circular type
 - Power Supply: 24VDC, 3.7W
 - Frequency Band: 24GHz
- Compliance
 - ETSI EN 300-440, FCC part 15, RSS-310, RSS-210, SRRC, KCC, NCC
- Warranty
 - 2 Years
- Product support and training available through the EGI Learning Centre



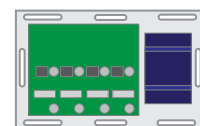
RADAR (x4)



CONTROLLER (x1)



INTERFACE PANEL (x1)



CABINET INTERFACE

