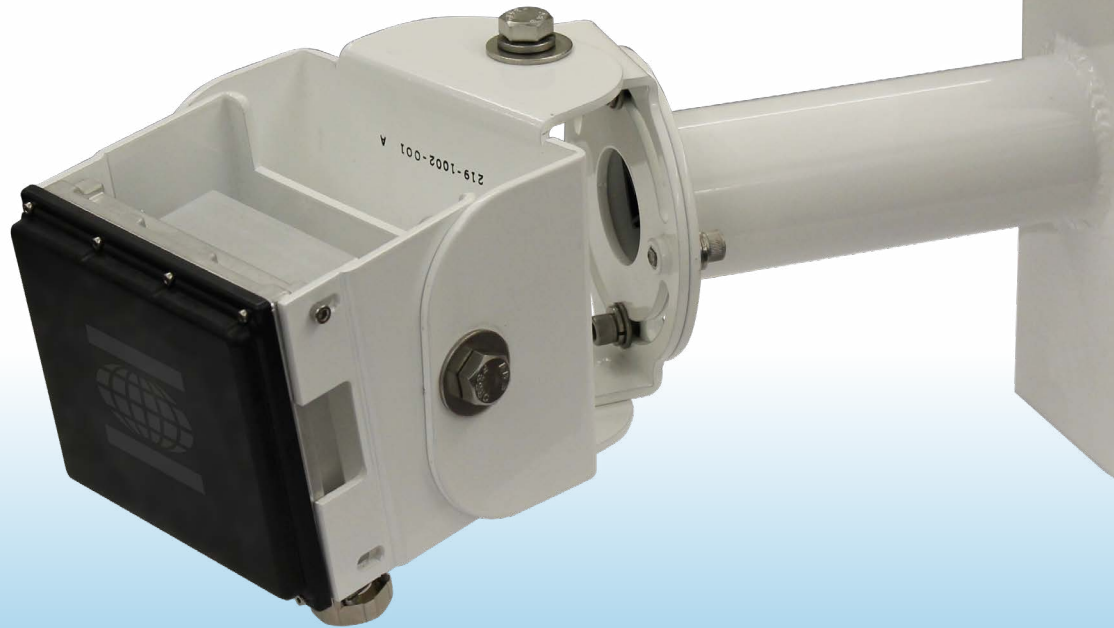


AccuScan 600



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

About AccuScan600

Actively managing and controlling traffic at intersections and dilemma zones requires accurate extended vehicle detection from the stop bar to 500 feet before the stop bar. With Econolite's AccuScan 600 radar detection solution, agencies and MPOs can actively manage dilemma zones and intersections based on traffic demand to enhance safety and efficiency even on curved approaches. A single Econolite AccuScan 600 sensor enables up to six lanes of vehicle detection at various distances up to 625 feet from the mounting location of the sensor. By providing vehicle detection out to 625 feet, Econolite AccuScan 600 enables dilemma zone protection, green light extension, one-time ETA, queue, and bicycle detection strategies. AccuScan 600 is an Intelligent Transportation System (ITS) solution with central management software that is convenient for fast integration to existing network infrastructure.

At A Glance

- ▷ Stop Bar and Advance vehicle detection - in one sensor
- ▷ Loop replacement (non-intrusive detection)
- ▷ Depth by-lane detection accuracy
- ▷ On-board Attitude Sensor simplifies sensor aiming
- ▷ Custom trigger conditions
- ▷ One-time ETA, Dilemma Zone, Queue Length and Speed measurement
- ▷ Convenient installation wizard
- ▷ Geographical Awareness



Enhancing Safety

A research study by the Texas Department of Transportation (TxDOT) demonstrated that advance detection significantly reduced collision occurrence at intersections. The study on advance detection found:

- 58% reduction in red light violations
- 39% reduction in severe crash frequency
- 80% reduction in heavy-vehicle red light violations

Intersection Features & Options

- Stop bar and advance detection for up to 4 lanes
- Counting and classification
- Wrong way detection
- Speed measurement

Installation Parameters

- Traffic Direction: Approaching & Receding
- Typical Mounting Height: 18-24ft (6-8m)
- Typical Sensor Azimuth Angle: -8°
- Typical Sensor Elevation Angle: -6°
- Typical Stop Bar Detection Distance: 60-150ft (20-50m)
- Typical Advance Detection Distance: 150ft-480ft (50-160m)

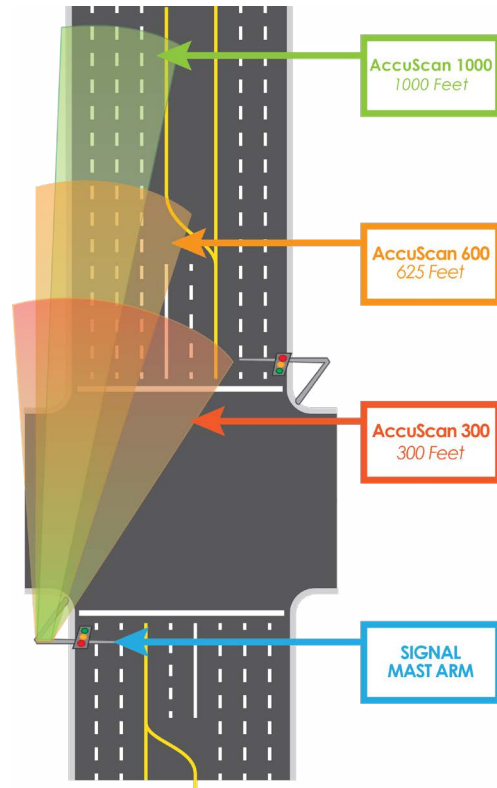
(Parameters may vary based on site geometry and detection objectives)

General Data

- Sensor Performance
 - Maximum Range Typ: 625 ft (190m)
 - 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): 11.64oz (330g)
 - Dimensions (LxWxH): 4.3in x 1.5in x 3.8in(110mm, 38.1mm, 99mm)
 - Connector: Sensor 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 Center



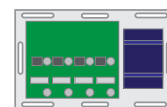
RADAR (x4)



CONTROLLER (x1)



INTERFACE PANEL (x1)



CABINET INTERFACE

