

# AccuScan 600C

# AccuScan 1000C



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

## About the AccuScan C Series

Representing the latest in forward-fire radar technology, the AccuScan 600C and 1000C radar sensing units achieve superior traffic detection accuracy and reliability. AccuScan is the only radar that does both stop bar and advance detection in a single sensor, saving you money and time. Advance detection of over 1,000 feet with a wide angle beam covering up to 8 lanes provides you with versatile detection sensor. Lane-by-lane detection is perfectly suited to adaptive control and curved approaches. The radar sensor is compact and unobtrusive, virtually maintenance free and unaffected by shadows. The 3D/UHD radar technology yields improved performance in congested traffic.

The Traffic Management Interface Board (TMIB) supports NEMA TS1 and TS2 as well as 3XX style cabinets. The software is easy to configure and allows for off-line configuration which can monitor all approaches simultaneously. The user can quickly exclude areas of detection (sidewalks or parking lots) to aid and improve detection. The latest technology allows tracking for up to 256 objects, provides event triggering, and relay outputs which support a wide variety of uses and custom applications.

### At A Glance

- ▷ Stop bar and advance detection within a single maintenance-free housing
- ▷ The 600C offers up to 8 lanes of stop line detection for large intersections
- ▷ The 1000C offers up to 1,000 of advance detection for high speed approaches
- ▷ Both sensors are ideally suited for adaptive control systems with lane-by-lane detection
- ▷ AccuScan is simple to install on mast arms minimizing the need for lane closures



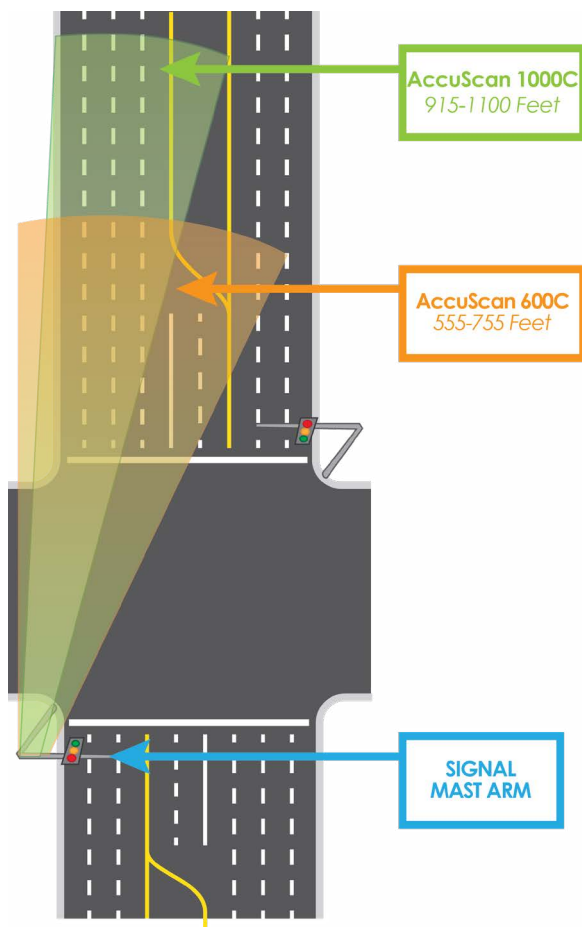
## Features & Options

- Stop bar and advance detection for up to 8 lanes
- Counting and classification
- Wrong way detection
- Speed measurement
- Flash memory for traffic data storage
- Real-time clock
- Product support and training available through the Econolite Learning Center

## Installation Parameters

- Traffic Direction: Approaching & Receding
- Typical Mounting Height: 18-24ft (6-8m)
- Mount on mast arm, pole, or luminaire

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



## General Data

Specification	600C	1000C
Max Range – Automobile	515 ft.	755 ft.
Max Range – Truck	915 ft.	1100 ft.
Range Accuracy	Typ. < $\pm 2.5\%$ or < $\pm 0.8\text{ft}$ (whichever is larger)	
Speed Accuracy	Typ. < $\pm 0.6\text{miles/hr}$ or $\pm 1\%$ (whichever is larger)	
Minimum absolute radial speed	4 in/sec (1 m/s)	
Simultaneously tracked objects	Up to 256	
Horizontal field of view angle	$\pm 50^\circ$	$\pm 18^\circ$
Lane coverage	Up to 8 lanes	Up to 6 lanes
Max angle to traffic flow	$25^\circ$	$15^\circ$
Ambient Temperature	$-40^\circ$ to $+165^\circ\text{F}$ ( $-40^\circ$ to $+74^\circ\text{C}$ )	
Environmental Protection	IP67	
Weight (approximate)	2.84 lbs (1.29 kg)	
Dimensions (L x H x W)	8.4x6.1x1.6 in (213x155x40mm)	
Power Supply	13-32 VDC 12 W @ $20^\circ\text{C}$	
Frequency Band	24-24.15 GHz (K band)	
Output Power	12.7dBm or 20dBm	
Interface	RS485 full-duplex 100BaseT Ethernet	
Compliance	ETSI EN 300-440, FCC part 15, RSS-310, RSS-210, SRRC, KCC, NCC	
Warranty	2 Years	

- Using 20dBm power output enclosure detection range. Used in specific installation ranges.

