

SCOUT ATC software is the premier traffic signal program from Cubic | Trafficware. Building on the 40+ year legacy of Cubic | Trafficware signal controller software, SCOUT addresses the increasing complexity of signalized intersections and traffic operations, with more phases, rings, logic statements, detectors, and output channels. SCOUT runs exclusively on Linux and pairs perfectly with the latest ATC controller hardware and cabinets, including COMMANDER ATCs and the ATX Series of ATC cabinets.

SCOUT supports all the latest tools and functionality expected by today's traffic operations practitioners, including SynchroGreen adaptive signal control technology, connected & automated vehicle technology, and measures of effectiveness.

## FEATURES & CAPABILITIES

### COORDINATION

48 patterns and 32 splits with cycle lengths up to 999 seconds

### PEER-TO-PEER COMMUNICATIONS

Communicate with up to 15 other controllers over an IP network to read remote inputs and control remote outputs

### OPTIONAL MODULES

Connected Vehicle (CV), SynchroGreen Adaptive, Signal Performance Measures (SPMs), and Transit Signal Priority (TSP)

### CABINET COMPATIBILITY

NEMA TS 1, NEMA TS 2, Model 33x, ITS, ATC

### ATC CONTROLLER COMPATIBILITY

COMMANDER, Model 2070 w/1C CPU

### ATC ENGINE BOARD COMPATIBILITY

v5, v6

### SIGNALS

Vehicle Phases:	32
Pedestrian Phases:	32
Rings:	8
Phases Per Ring:	32
Overlaps:	32
Output Channels:	32

### DETECTION

Vehicle Detector Inputs:	128
Pedestrian Detector Inputs:	32
Speed Traps:	16

### MISCELLANEOUS

Logic Statements:	100
Preempt Sequences:	12
Transit Priority Sequences:	4
Special Event Sequences:	4



## OPTIONAL SOFTWARE MODULES

### TRANSIT SIGNAL PRIORITY

SCOUT ATC software's sophisticated algorithms for transit signal priority ensure maximum operational efficiency for non-transit phases prior to the arrival of transit vehicle while ensuring that buses and light rail experience minimal delay and stops...all with no transition during coordinated operation.

### CONNECTED VEHICLE

Supporting both SAE J2735 and custom signal, phase, and timing (SPaT) messages and field proven with multiple manufacturer's roadside units (RSUs), SCOUT ATC software is ready for the next generation of connected and automated vehicle technology.



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