



Set-Up & Operation

The *Autoscope Duo* unit makes it easier than ever to install and configure an effective detection solution that meets your detection objectives. Multiple detection zones provide traffic count, presence, speed, and incident detection alarms. Incident types include stopped vehicles, wrong direction vehicles, slow-moving vehicles, bicycles, or other customized alarms. Real-time polling or stored data include actuations, volume, occupancy, five vehicle classes by length, density, and other traffic data for user-selected periods or by phase.

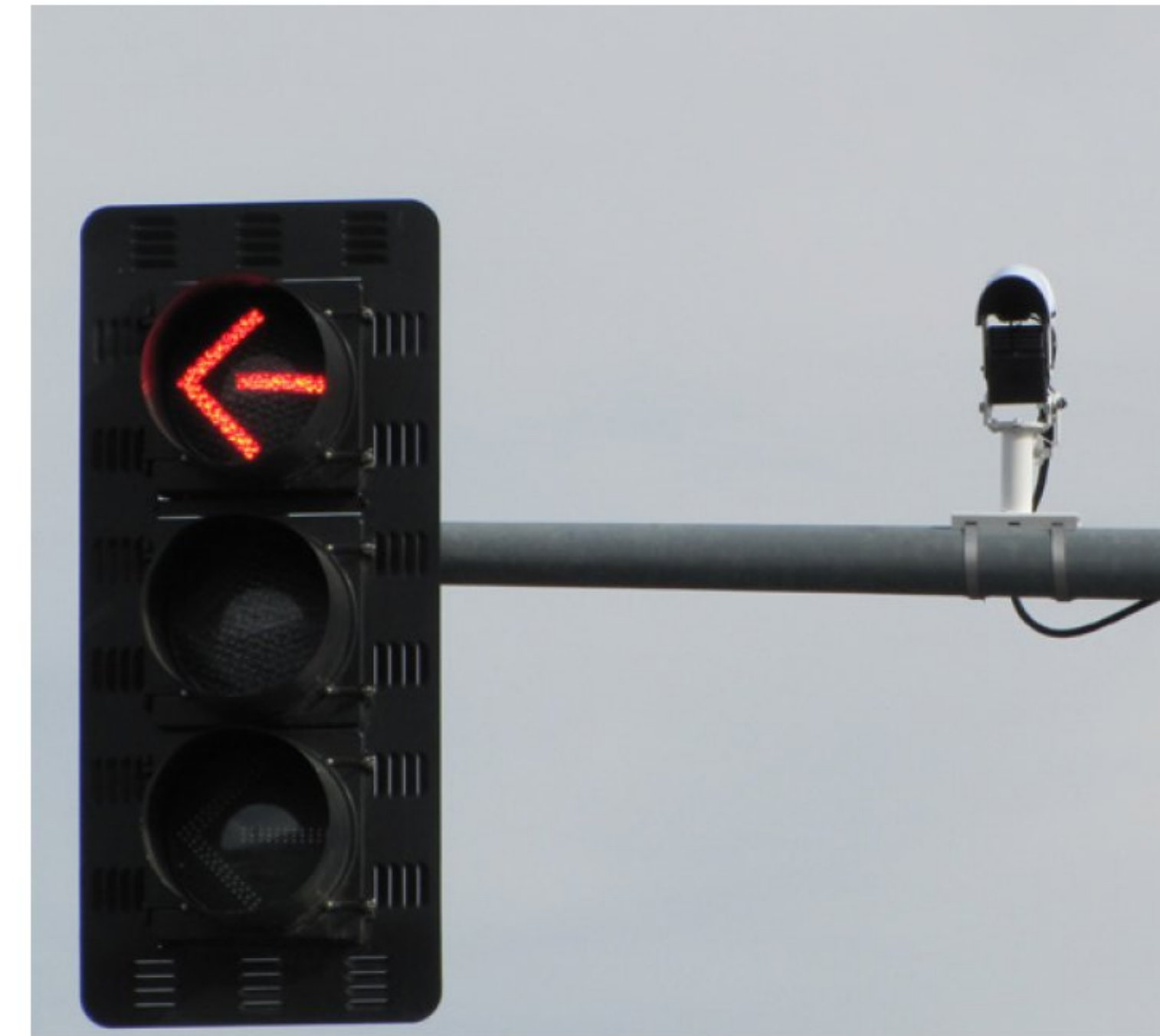
Easily assign detector outputs to interface with NEMA TS1/TS2, TEES Type 170/179 and 2070 ATC controllers. Simple mouse and keyboard operations backup your work, troubleshoot with the Operations Log, and modify your detection layout with other tools in the *Autoscope* Toolbox. Extensive Boolean Logic capabilities provide flexibility in detector layouts to help validate an event or incident alarm. Integrate traffic data quickly into proprietary software applications with the optional *Autoscope* Comserver Software Developer's Kit (SDK) or *Autoscope* Traffic Data Protocol.

Failsafe Operation

Autoscope Duo sensors provide electrical failsafe features. Under failed conditions, all associated detector outputs turn on, ensuring safe intersection operation. This electrical failsafe is the same operation as other equipment in the cabinet as required by all major industry specifications.

Benefits

- Superior detection accuracy
- Easy to install and configure
- Flexible design meets a variety of ITS detection and surveillance applications
- Exceptional value when compared to in-ground detection systems
- Reliable performance
- Low power consumption
- Minimal maintenance
- Native language GUI support
- Unprecedented high performance for above ground detection
- Cost-effective ITS solutions for traffic management



Duo Radar

The *Autoscope Duo* sensor includes a compact, easily-adjustable radar, designed to meet the performance requirements of the traffic intersection environment. The integrated decision logic process will use radar information in adverse conditions.

During setup, the radar is adjusted with the video camera. A convenient adjustment tool helps align the radar to meet the detection objectives. A variety of mounting brackets allow easy installation on existing poles, mast arms, or other structures. The unique bracket design speeds installation by minimizing loose parts and eliminating steps in the setup process.

Duo Camera

The *Autoscope Duo* sensor includes a compact, high-resolution color zoom camera, designed to meet the performance requirements of the traffic intersection environment. ClearVision™ aspects include a custom environmental aperture to produce consistently high-quality video.

During setup, the 10X zoom lens uses standard zoom control from the *Duo Interface Panel* in the cabinet. Focus is factory pre-set. A heated faceplate and adjustable weather shield helps minimize rain, snow, and ice on the faceplate, reducing glare and improving video contrast.