

# Sensors for Traffic Detection

## Autoscope® *Vision I/O 24™ Module*

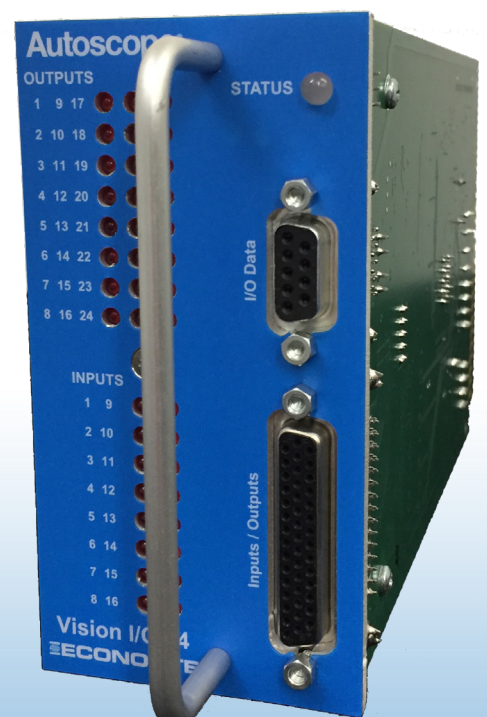
The Autoscope Vision I/O 24™ module provides a simple, reliable interface between the Vision Comm Manager and any standard traffic controller via discrete I/O's to the traffic cabinet. It monitors phase colors and gathers detection data information from up to four Vision sensors. The Vision I/O 24 Module is a single card device that can be placed in a standalone enclosure or detector rack.

The Vision I/O 24 provides discrete I/O's to a traffic controller for TS1 and 33x cabinet configurations that do not use SDLC communications for I/O. It can also be used to provide simultaneous discrete I/O and SDLC I/O with an available Y-Cable. The I/O 24 module is easily configured via the Vision Comm Manager™ when connected Vision sensors are powered and recognized by the Comm Manager. The I/O 24 slides neatly into rack card guides.

As more Intelligent Transportation System programs come online, the Autoscope Vision I/O 24 offers cities the ability to significantly enhance ITS capabilities. By supporting up to four Vision sensors, the I/O 24 helps ensure that the promise of reduced congestion, shorter commute times, and increased safety are realized.

### Key Features

- Space saving support for 1-4 Vision sensors
- 24 outputs, 16 inputs
- Capable of emulating a 4-channel loop detector
- Multi-cabinet use: Type 170/2070/33x, TS1, TS2
- Versatile support of wired I/O, Expansion Modules and C1Y Harness





### Application

Autoscope Vision is capable of simultaneously satisfying multiple transportation management objectives:

- Stop bar vehicle detection
- Bicycle detection and differentiation
- Pedestrian Waiting Area Detection
- Pedestrian in Crosswalk Detection
- Advance vehicle detection up to 600 feet from Vision sensor
- Traffic data collection
- HD video surveillance

### Specifications

#### Connectors

- One (1) Male 9-pin metal shell D subminiature connector with female jackscrews
- One (1) Female 44-pin metal shell D subminiature connector with female jackscrews

#### Inputs / Outputs

- 16 Inputs
- 24 Outputs, open collector, active low

#### Indicators

- Status LED – indicated connection to Comm Manager
- 16 Input LEDs – active or inactive
- 24 Output LEDs – active or inactive

#### Environmental

- -29° F to +165° F (-34° C to +74° C)
- 0 to 95% relative humidity, non-condensing

#### Dimensions and Weight

- 4.5" x 2.3" x 6.9" (11.4 cm x 6 cm x 17.5 cm)
- 0.5 lbs (0.2 kg)

#### Power

- Input 10.8 VDC min; 26.5 VDC max
- Current Draw: 50ma per channel
- Hot Swappable: Yes

#### Warranty

- Three-year warranty
- Extended warranty packages available to six years

#### Regulatory

- NEMA TS2 2003 Compliant
- CE EN 55022
- CE EN 55024
- EN 61000-6-1
- ICES
- FCC Part 15, Class A

