

Overview

Using an inductive loop or Microloop™ as its detection sensor, the Canoga™ detector can sense the presence of a vehicle or bicycle for data processing or traffic signal control — making it capable of so much more than basic presence detection for intersection applications.



Intersection Capabilities

Expanded Presence Detection

You can optimize loop calibration with up to 19 sensitivity settings. Compared to legacy detectors, which have fewer than 8 sensitivity settings, the extra settings provide more accurate detection with less duplication. In addition, you can configure channel-specific frequencies to minimize loop crosstalk, for an even more reliable signal.

Bicycle Detection

Detect bicycles on dedicated bicycle or mixed-use lanes with stellar accuracy and reliability. For example, if the detector recognizes a bicycle, a unique output can be sent to the controller to process a phase extension.

Classification-Based Outputs and Reports

Classify objects using a single 6x6 loop. Differentiate between bicycles, motorcycles, cars, vans, panel trucks and semi-trucks and pass on classification-specific outputs to the traffic controller. Use details from the classification-specific reports for more comprehensive roadway planning and reporting.

Long-Loop Counting

Take advantage of a wider range of long stop bar loop types to detect vehicles and capture count and have lane occupancy information simultaneously, without taxing computing and storage capabilities of the local traffic controller. Among other options, you can use this information to calculate and communicate lane-specific vehicle movements.

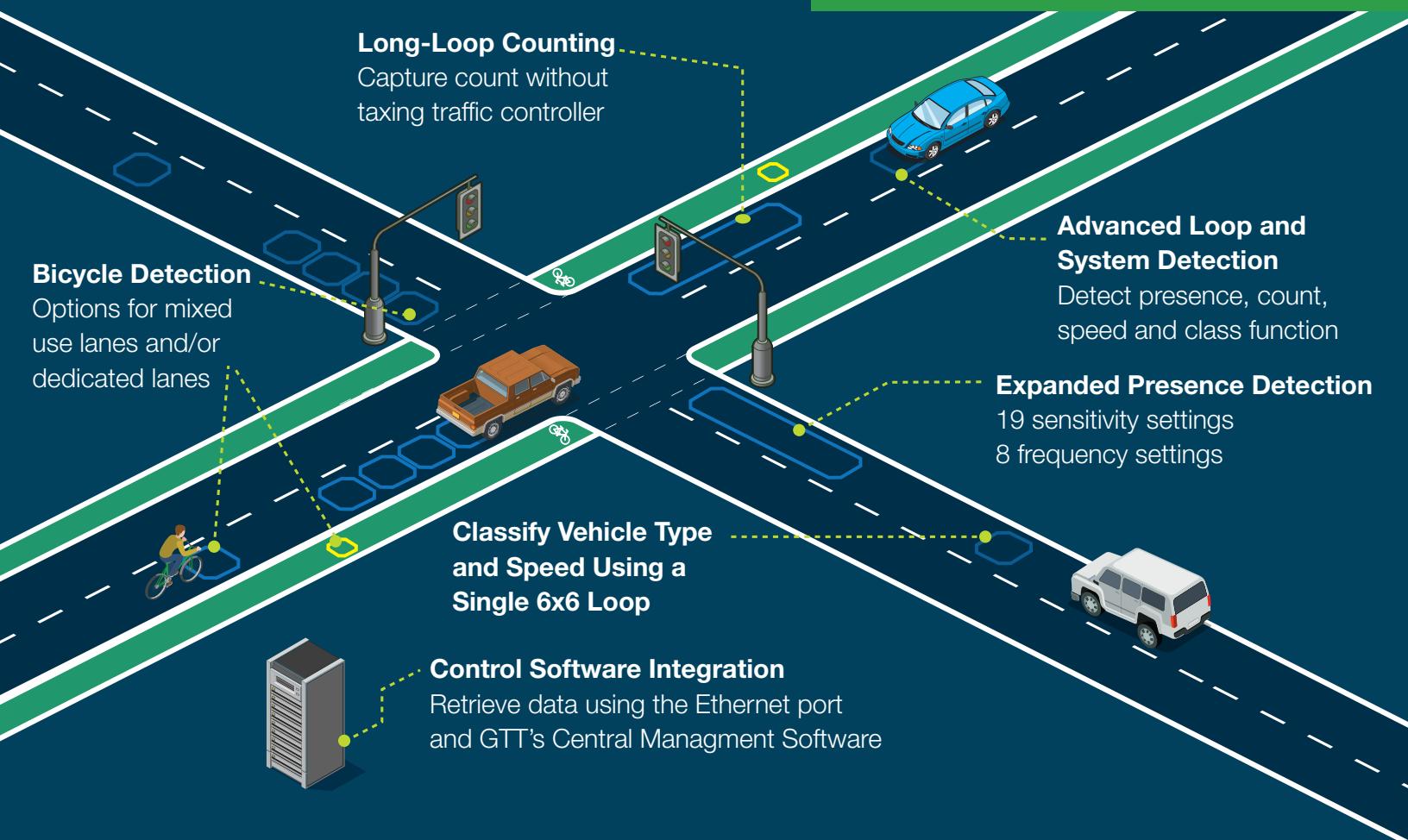
Advanced Loop and System Detection

Use advanced loops on the approach side of an intersection and system loops on the through side to obtain more traffic-specific information and control. With the Canoga detector you can detect vehicle presence and identify count, lane occupancy, speed and classification on a single 6x6 advanced or system loop. Combine this data with other ITS data to develop more centralized and adaptive control strategies.

Central Software Integration

Retrieve loop-specific count, occupancy, speed and classification reports by using the Ethernet port on your Canoga detector and GTT's Central Management Software (CMS). Because CMS is the same software that allows customers to manage, monitor and maintain Opticom™ priority control environments, traffic engineers can control all GTT resources from a single platform.

APPLICATIONS



For more information:

Visit: www.gtt.com

Call: **800.258.4610**



GLOBAL TRAFFIC TECHNOLOGIES

Global Traffic Technologies, LLC
7800 Third Street N
St. Paul, MN 55128-5441
1-800-258-4610
651-789-7333
www.gtt.com

Global Traffic Technologies Canada, Inc.
157 Adelaide Street West
Suite 448
Toronto, ON M5H 4E7
Canada
1-800-258-4610

Global Traffic Technologies, LLC
1210 Parkview
Reading RG74TY
United Kingdom
44-(0) 7799 908916