



# Advanced Integration Device

## THE INTEGRATOR



**TRAFFIC**  
APPLICATIONS



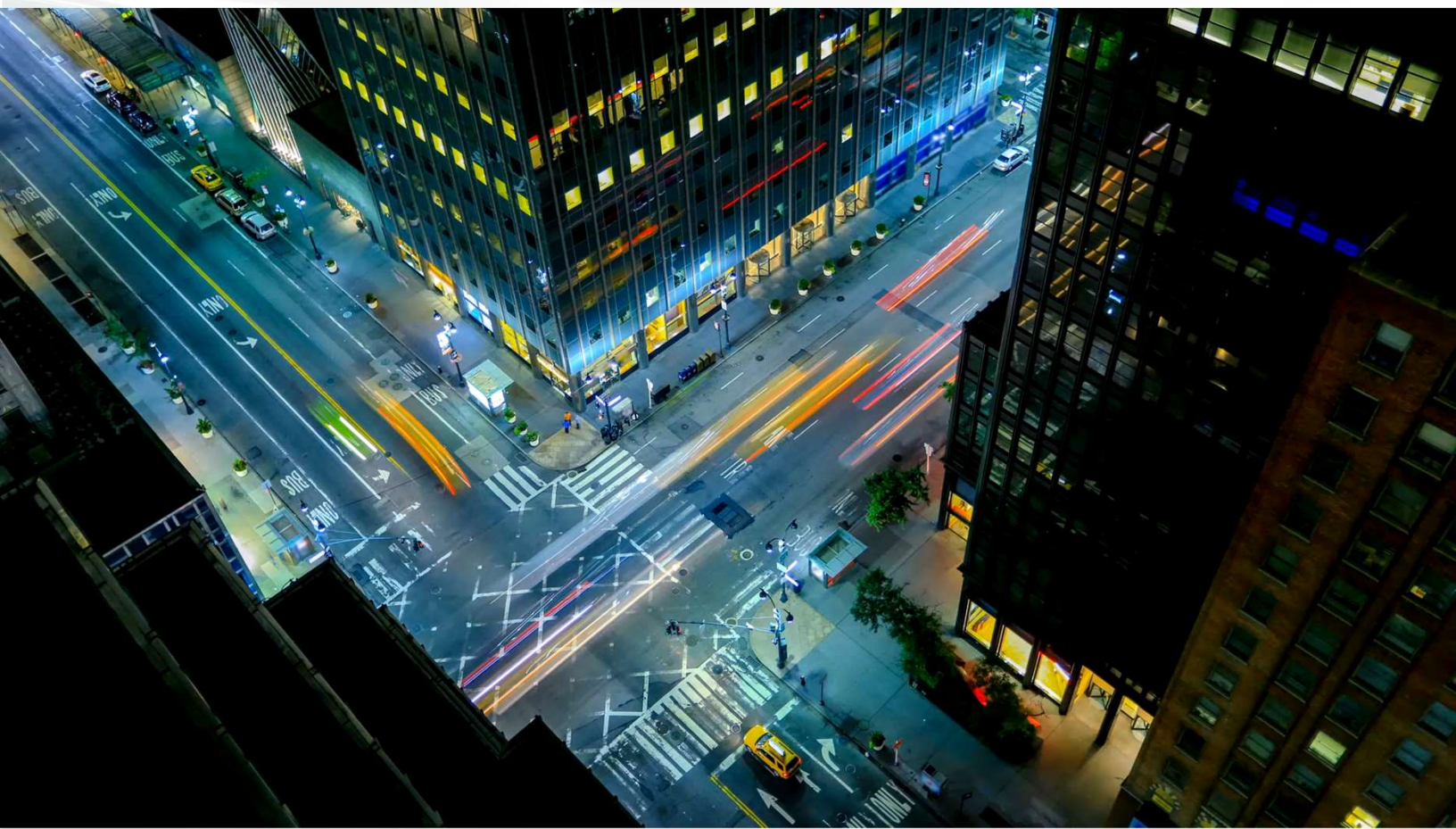
**ITS**  
APPLICATIONS



**PARKING**  
APPLICATIONS

# INNOVATION METHODS

The intent of this product is to provide a global upgrade to ITS and Intelligent traffic operations using a single edge device. The goal is to utilize existing detection hardware and enhance its features, capabilities, and data. The Blue-Band Advanced Integration Device (AID) – “The Integrator” will gather travel data from existing vehicle detection devices process the information, apply intelligent logic, and provide smart outputs to items such as DMS Signs, as traffic signal controllers.



## PROCESS FLOW

Existing Vehicle Detection



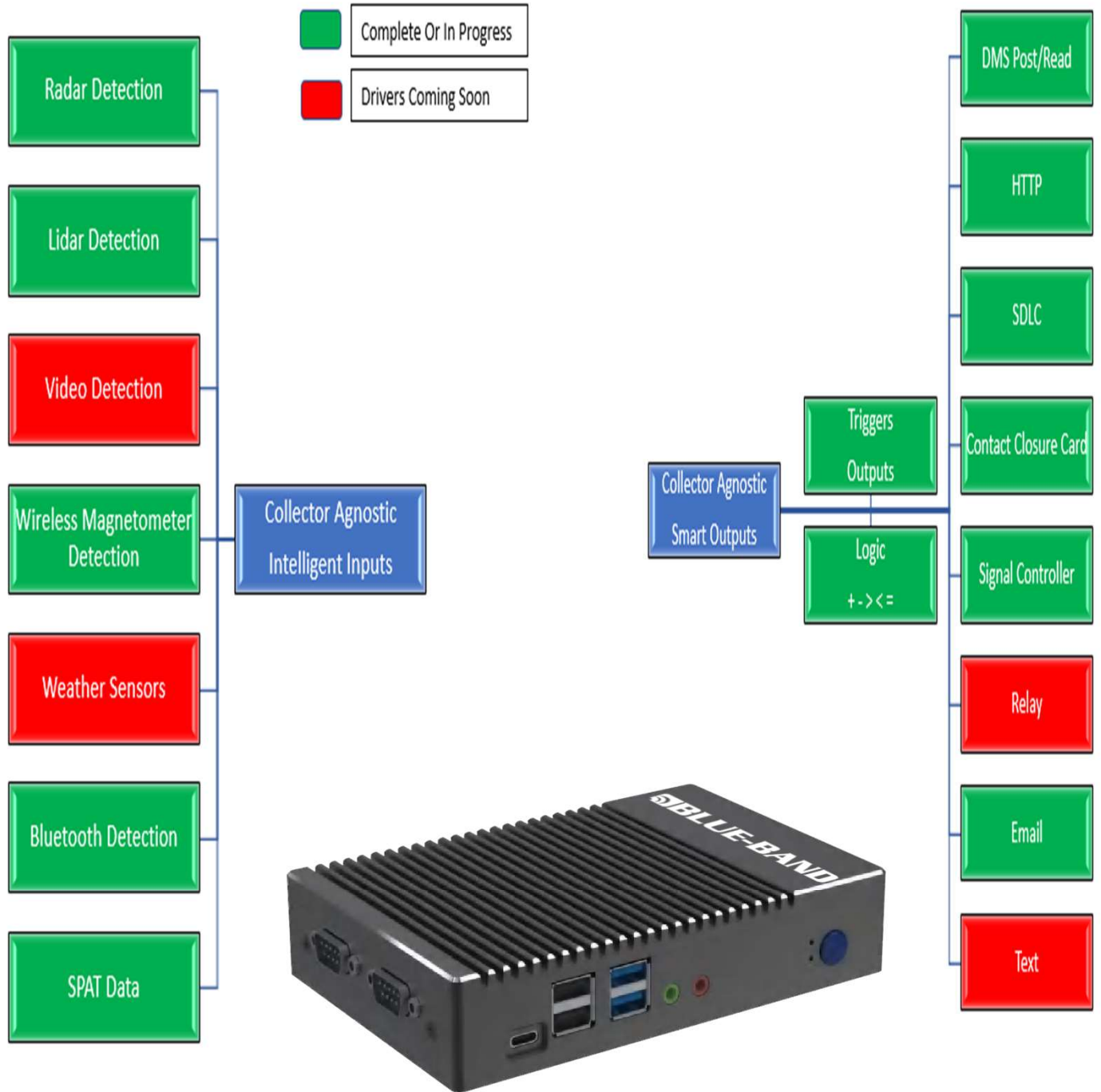
Blue-Band - “Integrator”



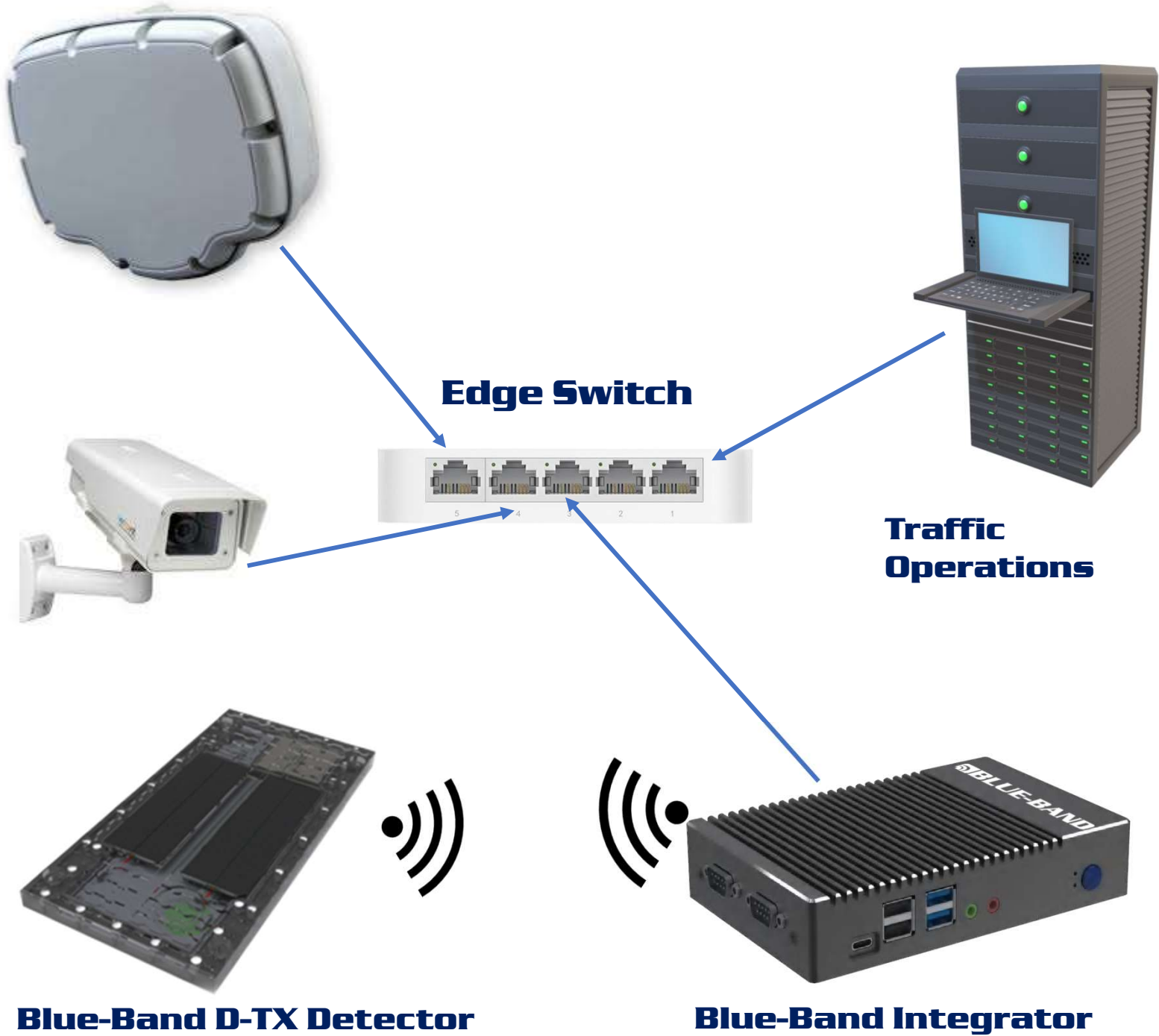
Intelligent Reporting, Controls & Outputs



## PRODUCT OPERATION



# EASY INTEGRATION



# PROCESS FLOW

## Vehicle Detection

- Data collected from Traveling vehicles
- Reports a minimum of Speed, Volume, Occupancy
- Indicates direction vehicles are traveling

## Blue-Band “Integrator”

- Receives vehicle detector data and add smart algorithms to include additional data points
- Wrong Way Driver Detection
- Smart Triggers to Digital Signs, Signal Controllers, etc.
- Realtime & Interval Data Processing

## Traffic Operations

- Receives Enhanced Data Points
- Receives Wrong Way Alerts
- Receives Notification of Peripheral Activation
- Receives SPAT Data (Signalized Intersections Only)
- Received Event Change Notification



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