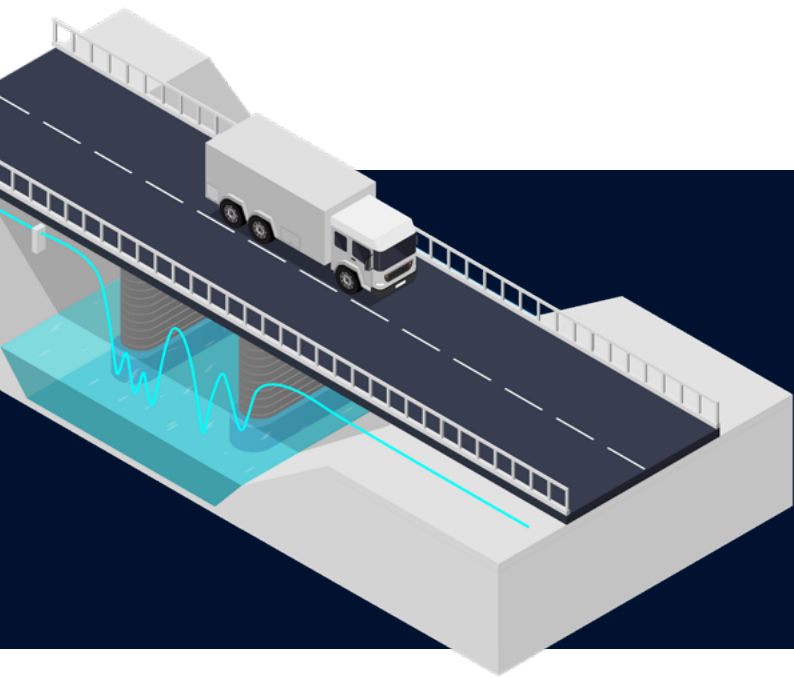


# Heavy vehicle detection systems

## Product Description

The simple device integration capabilities of STREAMS Device IO provide traffic management centre (TMC) operators with the means to monitor and control a remote sensing and control device.

This information sheet describes the use of STREAMS Device IO in a heavy vehicle detection system scenario.



### SCENARIO

## Heavy vehicle detection systems

### HEAVY VEHICLE DETECTOR

- Vehicle passes over Weigh in Motion (WiM) station
- WiM provides outputs based on vehicle weight which are relayed to STREAMS
- Weight thresholds configured in STREAMS determine notification type and action to be taken, i.e. priority at downstream signals

## Features

### Fully self-contained logic, power, isolation and IO

#### Two enclosure options

- IP65 Polynova enclosure for indoor or roadside cabinet installations
- Stainless steel wall or pole enclosure for remote applications

#### Barebones option for existing or client provided enclosures

#### Suitable in harsh environments

#### Fully adjustable flasher on timer settings via STREAMS override

#### 3G/4G Communications for remote applications

Optional

#### Interface to STREAMS for monitoring and control providing

- Alerts for operators via STREAMS GUI schematic, or Alarm Manager
- Access to STREAMS Strategy Manager and Response Plans to set CCTV pre-set or override a signal plan to provide vehicle priority.
- Connects via Modbus TCP Protocol.

#### System capabilities

- Environment monitoring
- Controllable with override from STREAMS and locally
- Master DISABLE as an override from STREAMS and locally.

#### Suitable for various other digital and analogue inputs and outputs

#### System health checks, power, temperature, voltage and alarm

#### Interfaces to Weigh in Motion (WiM) system via digital outputs

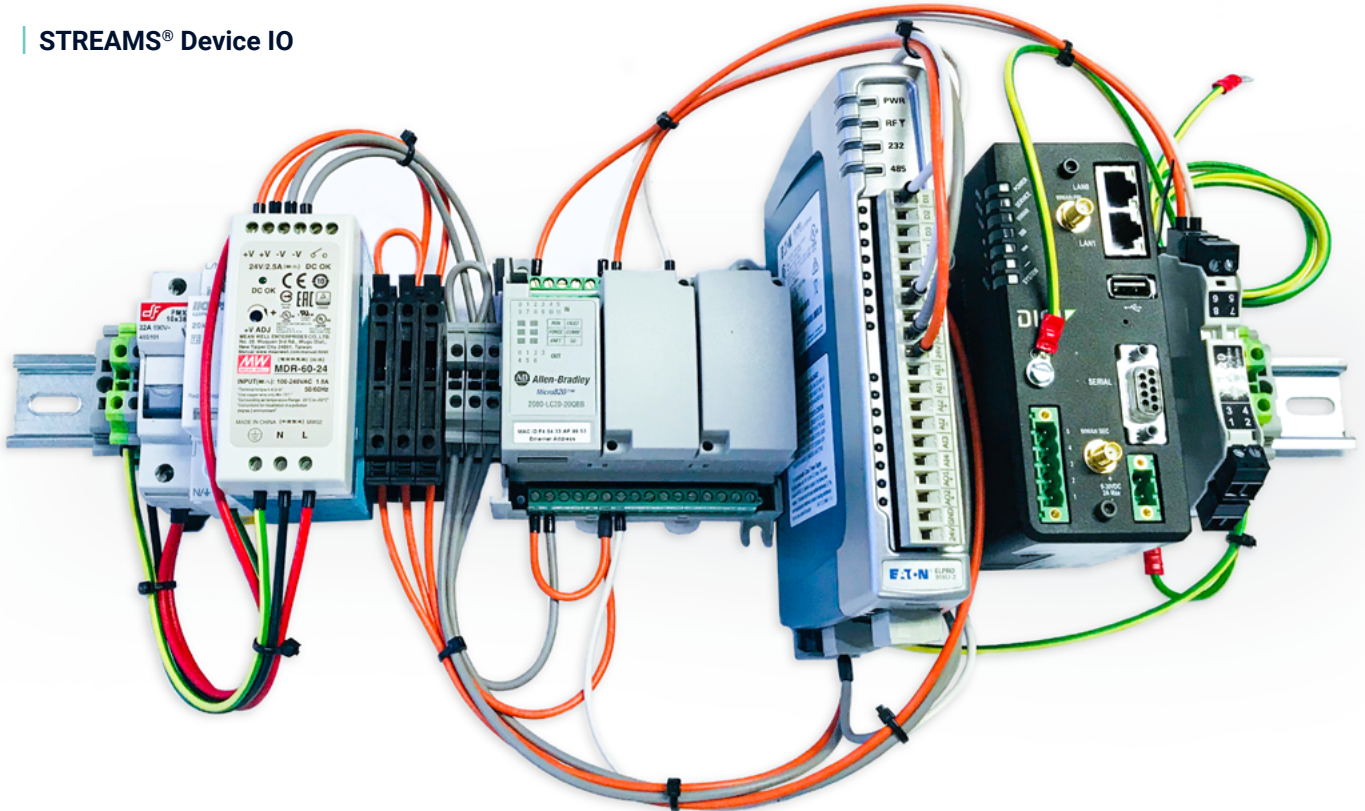
#### Configurable weight classes from WiM displayed in STREAMS.

# STREAMS® Device IO

 TRANSMAX

# Heavy vehicle detection systems

## STREAMS® Device IO



## Benefits

- Improved traffic flow and reduced congestion due to prioritised heavy vehicle movements
- Improved safety for all road users
- Reduced operational costs by removing the need for costly custom software development for new STREAMS drivers
- Trend and reporting information useful for planning and maintenance.

## More information

For more information on other usage scenarios, please refer to the suite of STREAMS Device IO information sheets on the Transmax website.

For more detailed information on the product, including technical specifications, please refer to the [STREAMS Device IO product brochure](#) on the Transmax website.

## Contact us

Get in touch with Transmax to find out more about STREAMS Device IO or to place an order.

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 **STREAMS®  
device io**