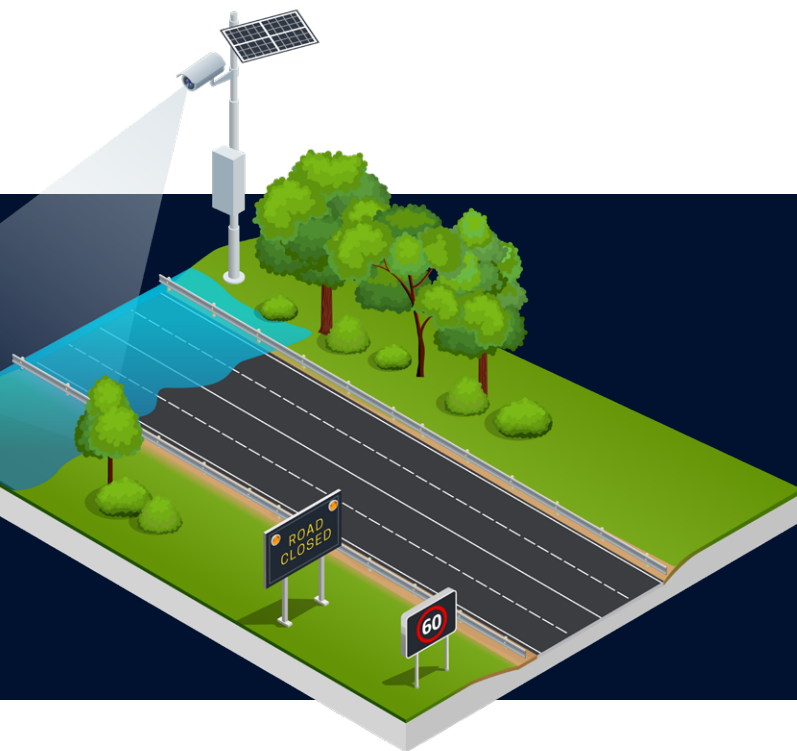


Flood monitoring system

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 flood monitoring scenario.



SCENARIO Flood monitoring system

WEATHER STATION OR WATER-LEVEL SENSOR

- Water level sensor at low level bridge
- Sensor shows water rising
- Water level and rate of change displayed in STREAMS
- Traffic management centre (TMC) operator alerted to deteriorating site conditions
- Warnings to motorists approaching the location via DMS or flashers

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 configurable 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 dynamic message sign (DMS) message with driver instructions
- Connects via Modbus TCP Protocol.

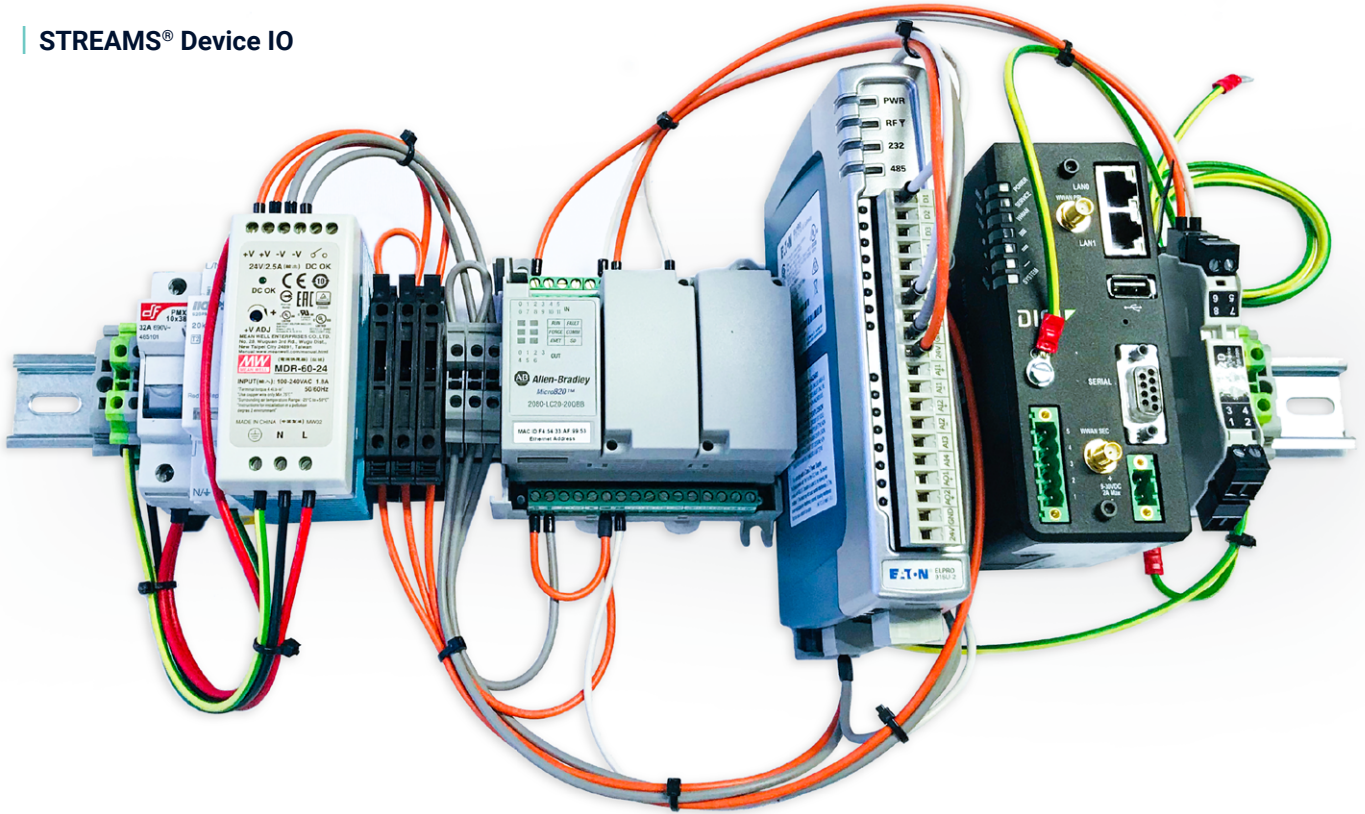
System capabilities

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

Suitable for various other digital inputs and outputs

Flood monitoring system

STREAMS® Device IO



Benefits

Early detection, driver communication and effective management of water over road are critically important in managing flood events. In addition to improving the safety of road users, management of water over road meaningfully contributes to the preservation of valuable road assets.

Trend and reporting information is also 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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device io**