COLLECT-R X·STREAM

Collect-R x-stream combines traffic flow monitoring, traffic data collection and queue detection in one single sensor.
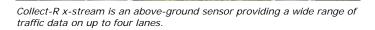
Collect-R x-stream is a cost effective solution for **traffic data collection, queue detection and traffic flow monitoring** on highways and inter-urban roads. It can be used for temporary or permanent applications. Due to its low power consumption it is also suitable for stand-alone solar powered installations.

Collect-R x-stream **integrates both CMOS sensor and detector** in a compact, stylish housing. It is a network based, IP-addressable detector including on-board MPEG-4 image compression for **high quality streaming video**.

The design of this sensor ensures fast and easy **above-ground installation** without the need for intrusive adjustments.

User-friendly configuration software guarantees quick configuration. No specialist knowledge is required.

This integrated video sensor is based on **field-proven** video detection technology and is part of the Traficon product range. **Traficon** is worldwide recognized as the market leader in traffic video detection.

KEY FUNCTIONALITIES

» TRAFFIC DATA COLLECTION
» TRAFFIC FLOW MONITORING
» QUEUE DETECTION
» STREAMING VIDEO

KEY BENEFITS

» ALL-IN-ONE SENSOR (CAMERA + DETECTOR)
» ABOVE-GROUND SENSOR
» MPEG-4 IMAGE COMPRESSION
» IP-ADDRESSABLE
» REAL-TIME VERIFICATION AND MONITORING
» MULTI-LANE DETECTION COVERAGE
» EASY INSTALLATION & QUICK CONFIGURATION
» OVERHEAD/ SIDE-FIRED MOUNTING
» LOW POWER CONSUMPTION
» RELIABLE DETECTION 24/7
» AESTHETICAL DESIGN, USING DURABLE MATERIALS
» FIELD-PROVEN TRAFICON DETECTION ALGORITHMS

Collect-R x-stream is an above-ground sensor providing a wide range of traffic data on up to four lanes.

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TRAFFIC DATA COLLECTION

Collect-R x-stream provides all relevant traffic data such as **volume**, **speed**, **occupancy, gaptime, headway** and **classification** on multiple lanes, day and night and in all weather conditions.

Depending on sensor positioning (overhead/side-fired) this video sensor can cover **up to four lanes**. Data is provided for each lane and each vehicle class.

Integrated data is stored in the sensor and can easily be transferred via an open protocol SDK (Traficon Management System) or an off-line download tool. Downloading this data to a PC can be done locally or remotely **over a TCP/IP connection.** This transmission of data can be done at predefined times or on command of the operator.

Installing the sensor is quick and easy and can be done on existing structures (e.g. VMS panels).

FLOW MONITORING AND QUEUE DETECTION

Collect-R x-stream monitors the **traffic flow in real-time.** Via the flow speed and the zone occupancy, the sensor automatically distinguishes between **5 levels of service**: normal, dense, delayed, congested and stop-and-go traffic.

Alarms can be generated for each of these service levels and can be transmitted to the Traffic Management System. Together with the traffic alarm an image can be sent for **visual verification.**

Collect-R x-stream can be powered by solar panels and used as a stand-alone queue detection system on the highway.

The sensor is configured quick and easy via user-friendly software.

QUICK INSTALLATION & EASY CONFIGURATION

Collect-R x-stream is an **out-of-the-box product**: install it on existing or new infrastructure, configure it and start analyzing traffic.

Configuration of the sensor is quick and easy **('click and drag')** and can be done on-site or remotely. The Traficon Configuration Tool (TCT) provides a **camera image for setup**, allowing accurate positioning of the data zones ('virtual loops').

Via VLC Media Player, you can **view streaming video**, make recordings and playback recorded sequences. This video stream can also be used for visual verification of the system performance.

RELIABLE DETECTION 24/7

Collect-R x-stream uses a state-of-the-art CMOS camera and has an intelligent day and night detection algorithm on board for accurate and relevant data collection around the clock. **Advanced filters** suppress unwanted detection that may be caused by changing light conditions or the effects of extreme weather conditions.

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