Traficam Collect-R is a cost-effective solution to gather traffic data, monitor traffic flow and emulate or simulate loops on highways and interurban roads. It can be used for temporal or permanent applications. Its low power consumption allows even a stand-alone solar powered installation.

Traficam Collect-R integrates both CMOS sensor and detector in a compact, stylish housing.

The design of this sensor ensures a fast and easy physical installation without the need for intrusive adjustments.

The user-friendly configuration software guarantees fast and easy configuration and fine-tuning.

Traficam Collect-R 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**

- **Data Collection**
- **Flow Monitoring**
- **Loop Simulation/Emulation**

**KEY BENEFITS**

- **Non-intrusive Sensor (incl. Camera + Detector)**
- **Multi-lane Coverage**
- **Easy Installation & Quick Configuration**
- **Overhead/ Side-fired Mounting**
- **Direct Visual Feedback**
- **25 Years of Experience in Traffic Video Detection**

The Collect-R provides a wide range of traffic data up to four lanes.
TRAFFIC DATA COLLECTION

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

Integrated data is stored in the sensor and can be transferred via an open protocol SDK, the Traficon Management System or an offline download tool. Downloading these data to a PC can be done locally or remotely.

FLOW MONITORING

TrafiCam Collect-R monitors the traffic flow. Via the flow speed and the zone occupancy, the sensor automatically distinguishes 5 levels of service: normal, dense, delayed, congested and stop-and-go.

Warnings can be generated on the outputs for each of these service levels, or can be transmitted to the Traffic Management Software. Together with the traffic alarm a pictures can be sent for visual verification.

TrafiCam Collect-R can also be used to triggering third party systems such as flash lights, barriers, CCD cameras and VMS panels when the traffic flow exceeds a certain predefined level.

LOOP SIMULATION & LOOP EMULATION

TrafiCam Collect-R is also used to simulate or emulate single or double loops. Physical inductive loops are simply replaced by 'virtual loops'. Vehicles are detected by the sensor when they cross these virtual loops. The outputs of the TrafiCam Collect-R can be connected to a controller board to ensure predefined actions, similar to the single and/or double loops.

QUICK & EASY CONFIGURATION

TrafiCam Collect-R is an out-of-the-box product: install it, connect it and start analyzing traffic. Via a portable computer with pre-installed configuration software or via a modem and a remote PC, you can configure the sensor in a user-friendly way.

One can put data zones in the image. Just click and drag the detection zone to the desired place in the image.

A video image allows accurate positioning of the traffic data zones ('virtual loops') as well as visual verification of the system outputs communicating to the traffic counter/controller.

RELIABLE DETECTION 24/7

TrafiCam Collect-R uses a state-of-the-art CMOS camera and has an intelligent day and night detection algorithm on-board for accurate detection around the clock. Advanced filters suppress unwanted detections that can be caused by road marks, tree shadows, reflections of headlights on wet surfaces, camera movement etc.