



Application range

- **Traffic data acquisition:** number of vehicles, vehicle lengths, vehicle speed, occupancy time, net time gap
- **Incident detection:** traffic jam, accident, wrong driver, smoke
- **Mobile and stationary installation**
- **Controlling of annunciators, data acquisition in cities and on highways, tunnel monitoring**
- **Automatic analysis of traffic data and incidents**

Advantages

- **Overhead detection, therefore no roadworks**
- **Fast and easy installation and configuration**
- **Remote configuration**
- **Manufacturer-independent implementation**

Features

- **Combination with standard CCTV camera possible**
- **Card modules can be networked or integrated in existing SIM¹-networks (network addressable)**
- **Fast configuration for different applications**
- **Video-image and data transmission**
- **Easy integration in control units and roadside stations**
- **Vehicle presence or alarm outputs via backplane screw termination or serial I/O**
- **Non-volatile memory data storage**
- **LED status-display for supply voltage, communication, video and data processing**

Function description

The RackVision video detector analyses via software-algorithm the detected video image and establishes the requested traffic data. It can be used for traffic analysis, signal control at nodal points and traffic management. RackVision is designed for the integration into 19" racks and can be combined with a standard CCTV camera.

RackVision supplies 8 switching outputs, which can be freely attached to the virtual detection zones. The networking of different assembly groups is done via RS485 interface which, in combination with the communication modules, permits widely ramified and powerful networks.

¹ SIM = System Image Master

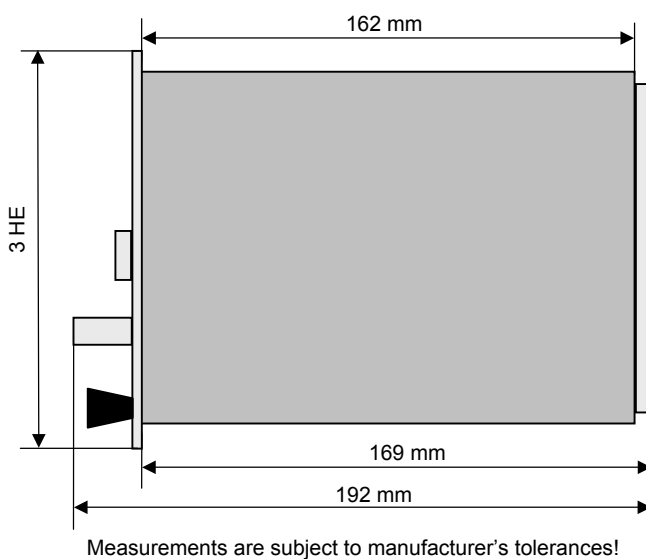
RackVision can be configured for different applications. Video images and data can be transmitted via ordinary telephone cables, optical fibres or wireless.

Optionally available:

- **Video compression card** for optimal and quick transmission of video pictures through existing communication channels
- **Relay cards** for expansion of the input/output channels

□ Technical Data / Function	
Power supply:	(12 –24) V DC basic version 7 W
Input signal:	Composite Video 75 Ω/1V pp
Communication:	RS232 Interface over DB9 port on front RS485 Interface over screw terminal on back
Dimensions:	Eurocard: Height: 100 mm, Width: 4 TE, Length: 160 mm
Weight:	160 g (200 g with VC Video Compression Board)
Working temperature range:	-34°C to +74°C 0 % to 95 % relative humidity, non-condensing
Detector pin board:	DIN 41612: B-board, 64-pin, 2 lines
Backplane (included in delivery):	64-pin backplane for power supply connection, communication, detector I/O and video I/O
□ Technical Data / Conformity	
Safety, Health:	ELV (safety extra low voltage)
EMC:	CE EN 55011, EN 61000-6-2, according to directive 89/336 EEC
Radio:	not applicable

Dimensions



Pin assignment of backplane

