

Data sheet
PeCo RC 44



Mobility measurements &
radar based traffic counting



Multi-lane, radar-based & object tracking

MOBILITY MEASUREMENTS

PeCo RC 132

Counting

Classification

Traffic Management & Co.



ABOUT PeCo RC 44



The **PeCo RC 44** measures the range, radial velocity, horizontal and vertical angle, reflectivity and other parameters of multiple stationary and moving reflectors (targets) simultaneously. The sensors maintain their high accuracy through integrated self-calibration functions over their entire lifetime. The sensor is virtually independent of weather, temperature and lighting conditions. The **PeCo RC 44** offers fail-safe functions. Self-diagnostic functions, such as blind and rain detection, misalignment indication and malfunction suppression, ensure reliable operation of the sensors.

FEATURES PeCo RC 44

- ✔ Traffic counting and classification (in 7 classes)
- ✔ Multi-lane detection
- ✔ Individual object tracking
- ✔ Flexible installation
- ✔ Statistical and event triggering modules (optional)
- ✔ Detection of wrong-way drivers/accidents
- ✔ Right-of-way detection
- ✔ Queue length estimation
- ✔ Red light enforcement
- ✔ Easy-to-use Traffic Management Configurator (TMC) software (optional)

APPLICATION AREAS PeCo RC 44

- Intersection management
- Freeway Management
- Stop barriers
- Mobility measurements
- Speed control
- Road safety

TECHNICAL DETAILS PeCo RC 44

Features	Value
Range Minimum	1 m
Range Maximum	110 m
Separation	2,06 m
Speed max.	up to 320 kmh
Separation	≤0,35m/s
Angle	
Field of view horizontal	-50 to +50°
Field of view vertical	-12 to +12°
Electrics/Dimensions	
Operating voltage	8-32 V
Power consumption	4,5 - 5,5 W
Dimensions [HxWxD]	110 x 99 x 31,7 mm plus connector
Weight	≤ 360 g
Interfaces	RS485 full duplex; Ethernet 10/100; 1xCAN V2.0b [passive]
Environmental data	
Operating & storage temperature	-40°C - +85°C
IP	IP67
Parameter	
Operating frequency	24 - 24,25 GHz



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