

Data sheet
PeCo RC 132



Mobility measurements &
radar based traffic counting



Multi-lane, radar-based & object tracking

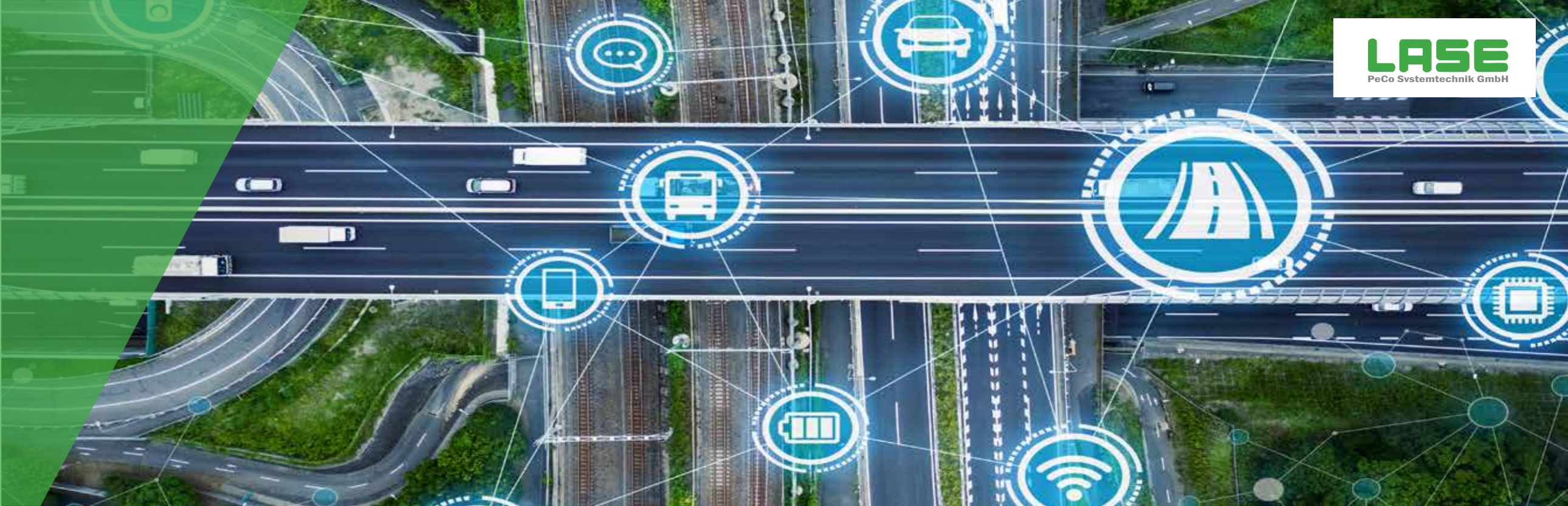
MOBILITY MEASUREMENTS

PeCo RC 132

Counting

Classification

Traffic Management & Co.



ABOUT PeCo RC 132



The **PeCo RC 132** 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 132** 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 132

- ✔ 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 132

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

TECHNICAL DETAILS PeCo RC 132

Features	Long-Range Mode	Medium-Range Mode
Range Minimum	1 m	0,5 m
Range Maximum	175 m	64 m
Separation	≤ 1,8 m	≤ 0,66 m
Speed max.	up to 320 kmh	
Separation	≤ 0,26m/s	
Angle		
Field of view horizontal	-16 to +16° [narrow beam]	-50 to +50° [wide beam]
Field of view vertical	-7,5 to +7,5°	
Electrics/Dimensions		
Operating voltage	8-32 V	
Power consumption	4,5 - 6 W	
Dimensions [HxWxD]	94,7 x 84,4 x 26,4 mm plus connector	
Weight	≤ 274 g	
Interfaces	RS485 full duplex; Ethernet 10/100; 1xCAN V2.0b [passive]	
Environmental data		
Operating & storage temperature	-40°C - +85°C	
IP	IP67	
Parameter		
Center frequencies	4	2
	76 - 77 GHz	



Contact

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