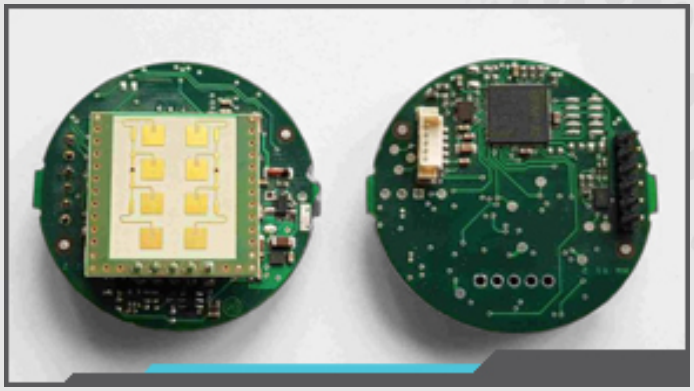
SPEEDMASTER-**RADAR SD201**

Professional Speed Measurement Sensor

Traffic Count 24GHz Radar



CE

Key Features

- Motion detection
- Directional sensing
- 80 x 40 deg. beam width
- Target list output
- Interference suppression
- Configurable detection modes
- UART and I2C control
- Electronic output 3.3 V Level
- Optional IP 67 enclosure

PART NUMBER: DS.RADAR-SD201.EN.022920

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SPEEDMASTER
UNLIMITED SPEED!

Technical Data

Transit frequency	24.05 – 24.25 ETSI 300/440 compliant
Beamwidth antenna	40 x 80 deg.
Output power	+ 20 dBm EIRP
Detection output	+ 3.3 V Level, configurable polarity
Serial output	Target list, UART 3.3 V Level
Update rate	40ms …. 500ms
Signal processing	FFT
Detection range	25 meter for pedestrians / 50 meter for vehicles
Min. repsonse time	65ms @ standard sample rate 4000 Hz
Speed range	0.1 km/h …. 120 km/h
Dimensions	44 mm diameter / 20 mm height including radar module
DC supply	+ 5.5 ….. 16 V DC
Current consumption	50 mA @ 5.5 V DC
Connector	6 pin 2.54 mm Header for configuration via USB
Operating temperature	-40° to + 85° Celsius
Order information	SD 201.01
Options	SD 201.02 with FTDI connector
	IP 67 Case: R 50

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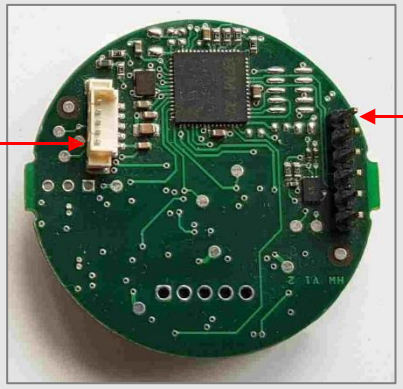
Input/Output:



PIN	Connector J1	
1	VCC	+5.5 V…16 V DC
2	GND	
3	I2C SCL	UART RX option, +3.3 V Level
4	I2C SDA	UART TX option, +3.3 V Level
5	Detection output	+3.3 V Level

PIN	Connector J2	
1	GND	
2	NC	
3	NC	
4	UART RX	+3.3 V Level
5	UART TX	+3.3 V Level
6	NC	

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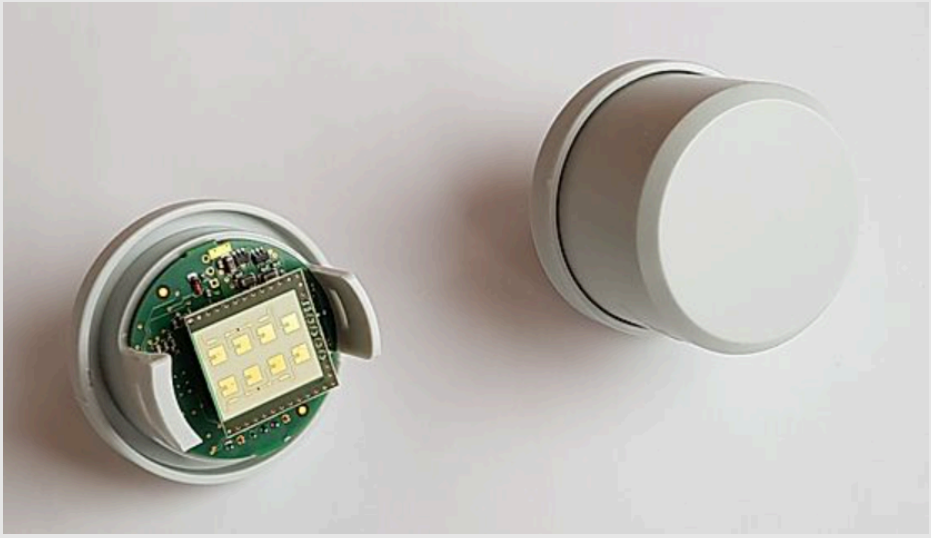
Optional IP67 Case



Order Information

Type:	Accessories:	Description: