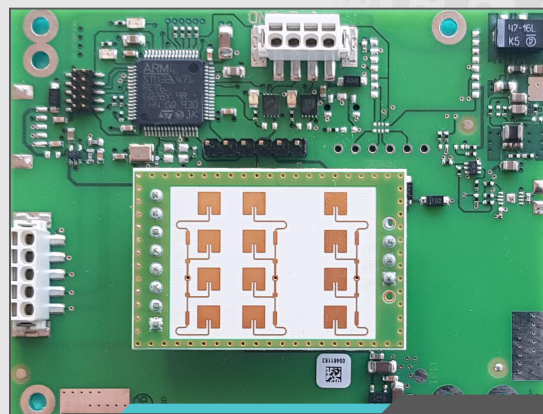


SPEEDMASTER-RADAR-SDRA207

Professional Speed Measurement Sensor

2D Radar Sensor 24GHz



CE

Key Features

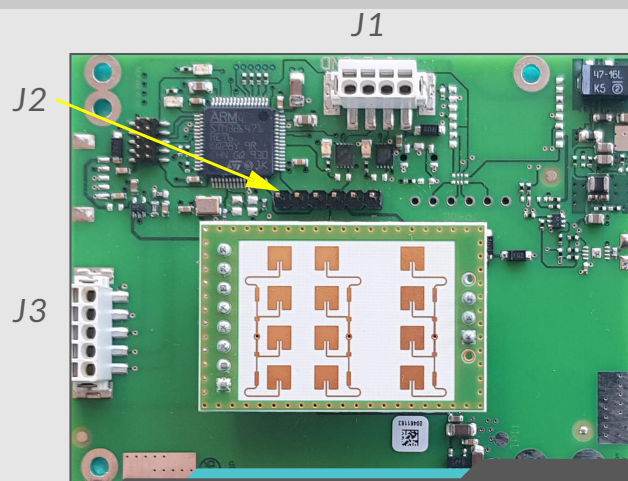
- Motion detection
- Directional sensing
- 80 x 40 deg. beam width
- Target list output
- Interference suppression
- Configurable detection modes
- UART and I2C control
- Electronic output 3.3 V Level
- Optional IP 67 enclosure



Technical Data

Transmit frequency	24.05 – 24.25 ETSI 300/440 compliant
Beamwidth antenna	40 x 80 deg.
Output power	+ 20 dBm EIRP
Detection output	+ 24 V Level, configurable low side/high side drive
Serial link for control, update, target list output	UART 3.3 V Level
Update rate	40 ms 500 ms depending on sample rate
Signal processing	FFT
Detection range (moving targets only)	20 m for persons, 50 m for cars
Application software	Security, traffic, light activation, people / bike counter
Speed range	0.1 km/h 100 km/h
Dimensions	80 mm x 60 mm x 15mm
DC supply	+ 5.5 36 V DC
Current consumption	50 mA @ 12 V DC
Operating temperature	- 40 + 85 deg. C
Order information	SDRA 207.01
Option IP 67 case	SDRA 207.01 – T
Option IQRF wireless interface	SDRA 207.02
Option LoRa wireless interface	SDRA 207.03

Input/Output



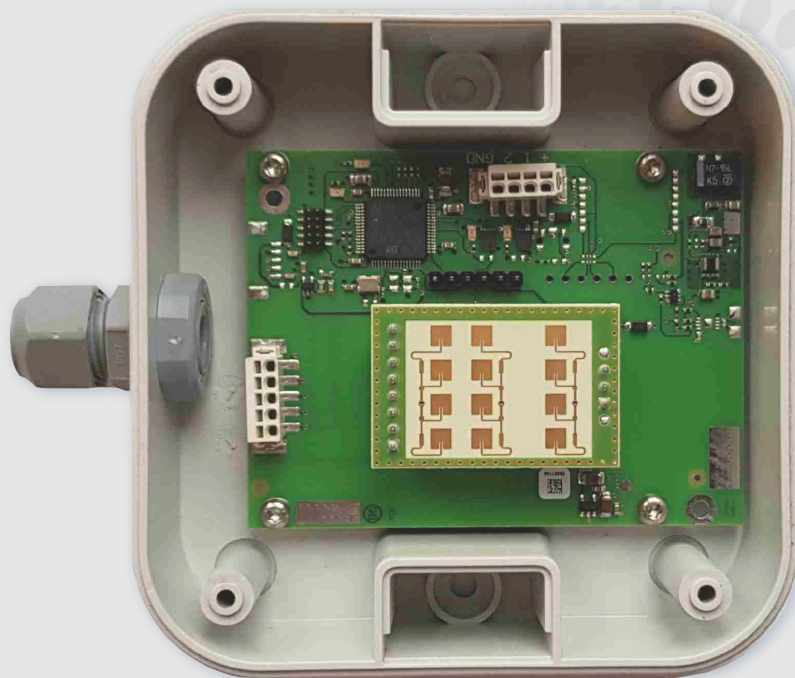
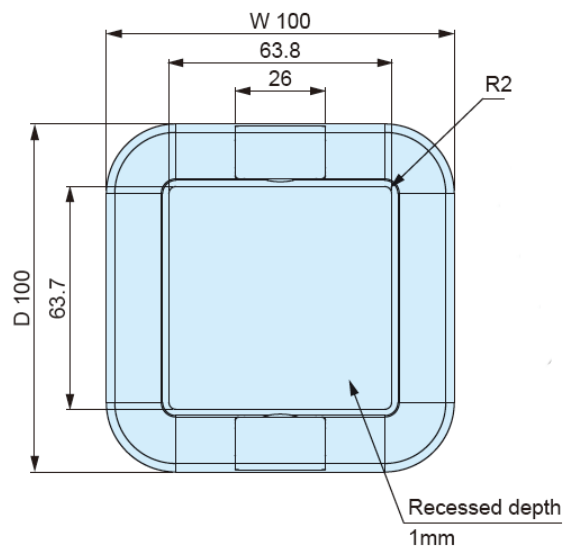
PIN	Connector J1	
1	GND	
2	Output 1	+ 12 V ... 24 V DC / 300 mA max.
3	Output 1	+ 12 V ... 24 V DC / 300 mA max.
4	Power supply input	+ 12 V ... 24 V DC / 50 mA max.

PIN	Connector J2 FTDI option	6 pin 2.54 mm Header for serial link
1	GND	
2	NC	
3	VCC 5V	+ 5 V DC max.
4	UART RX	+ 3.3 V Level
5	UART TX	+ 3.3 V Level
6	NC	

PIN	Connector J3	
1	VCC	+ 5.5 V ... 16 V DC
2	GND	
3	I2C SCL	+ 3.3 V Level
4	I2C SDA	+ 3.3 V Level
5	Detection output	+ 3.3 V Level

PART NUMBER: DS. RADAR-SDRA207.EN.022920

Optional IP67 Case



Order Information

Type:

Accessories:

Description: