Siera Electronics



PRO WR2/800F90/13

Wide-Area Detection Radar

Siera manufactures reliable and affordable solutions in Electronic Security, CCTV, Access Control, Intercommunication and Professional Audio.

Featured specifications

- 24.00 ~ 24.25 GHz FMCW Radar
- Vessel Detection
- Detection range of up to 800 m for small vessels
- Detection range of up to 1500 m for large vessels
- Maximum coverage of up to 150,000 m^2
- Detection accuracy of ±3 m
- Detection resolution of 6 m
- Detection accuracy of up to 9%
- Speed range of -30 ~ 30 m/s
- 12VDC / PoE+ Power Supply
- IP66 Protection
- Recommended installation height: ~ 3 m
- Compatible with IPX PRO V4

RADAR	
Radar Sensor	FMCW Radar
Data Output	Distance, direction, and angle
Transmission Frequency	24.00 ~ 24.25 GHz
Refresh Rate	8 Hz
EIRP	20 dBm
Power Consumption	17 W
PERFORMANCE	
Identifiable Targets	Vessels / Boats
Recognition Pattern	The radar generates an alarm and allows video linking
Detection Range (Vessel)	Small vessel: 1.5 ~ 800 m
	Large vessel: 1.5 ~ 1500 m
Detection Accuracy	±3 m
Detection Resolution	6 m
Speed Range	-30 ~ 30 m/s
Coverage	Max.: 150,000 m^2 / Min.: 20 m^2
Detection Rate	99 %
Detection Speed / Rate	0.003 m/s
Angular Accuracy	±1°
Field of View (FOV)	Azimuth 90° / Elevation 13°
INTERFACES	
Communication Protocols	UDP, TCP
Network Interface	1 RJ45, 10/100/1000M adaptive
RS485 Interface	Supported
GENERAL	
Power Supply	12VDC / PoE+
Operating Temperature	-40 ~ 65 °C
Storage Temperature	-60 ~ 85 °C
Protection	IP66
Weight	1.6 kg
Dimensions	235 x 175 x 47.5 mm
Installation Height	Radar: 2 ~ 3 m
Warranty	3 years*

WARRANTY 3 YEARS

*as per https://sieraelectronics.com/en/warranty/

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