Siera Electronics



PRO WR1/300F20/13

Professional Perimeter Security Radar

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

Featured specifications

- 24.05 ~ 24.15 GHz FMCW Radar
- Person and vehicle detection from 1 to 300 m
- Detection accuracy: ±0.75 m
- Detection resolution: 1.5 m
- Speed range: 0.03 ~ 30 m/s
- Speed accuracy: 0.03 m/s
- Communication via UDP and TCP
- PoE / 12VDC, RS485 and RJ45 10/100M interface
- 2 alarm inputs/outputs
- 2 relay outputs
- IP66 protection
- Compatible with IPX PRO V4

RADAR	
Radar Sensor	FMCW Radar
Data Output	Distance, direction and angle
Transmission Frequency	24.05 ~ 24.15 GHz
Refresh Rate	8 Hz
EIRP	29 dBm
Power Consumption	8 W
PERFORMANCE	
Identifiable Objects	People, vehicles
Recognition Pattern	The radar generates an alarm and allows linkage to video review
Detection Range (Pedestrian)	1 ~ 300 m; 1 ~ 200 m (crossing while walking/running); 1 ~ 150 m (crossing while climbing/crouching)
Detection Range (Vehicle)	1 ~ 300 m
Detection Accuracy	±0.75 m
Detection Resolution	1.5 m
Speed Range	0.03 ~ 30 m/s
Speed Accuracy	0.03 m/s
Speed Resolution	0.06 m/s
Angular Accuracy	±1°
Field of View (FOV)	Azimuth: 20° / Elevation: 13°
INTERFACES	
Communication Protocols	UDP, TCP
Network Interface	1 RJ45 10/100M (PoE)
Alarm Interface	2 output channels, 1 input channel
RS485	Supported
Relay	2 output channels
GENERAL	
Power Supply	12 VDC / PoE (IEEE 802.3af)
Operating Temperature	-40 ~ 75 °C
Storage Temperature	-40 ~ 85 °C
Weight	1.0 kg
Dimensions	235 × 175 × 53.7 mm
Protection	IP66
Warranty	3 years *

WARRANTY 3 YEARS

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

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