



PRO WR1/60F120/22

Wide-Area Professional Radar

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

Featured specifications

- 61.2~61.5 GHz FMCW millimeter-wave radar
- Detection of people and vehicles from 1 to 60 m
- 120° horizontal / 22° vertical field of view
- Identification of small animals, people, and vehicles
- Detection accuracy of ± 0.5 m and resolution of 0.67 m
- 2 alarm outputs, 1 input, and 2 relay outputs
- PoE / 12VDC, RS485, and RJ45 10/100M interface
- IP66 protection
- Compatible with INPX PRO V4

RADAR

Radar Sensor	FMCW
Data Output	Distance, direction, and angle
Transmission Frequency	61.2 ~ 61.5 GHz
Refresh Rate	10 Hz
EIRP	22 dBm

PERFORMANCE

Identifiable Objects	Small animals, people, and vehicles
Recognition Pattern	The radar generates an alarm and allows video linkage
Detection Range (Pedestrian)	1 ~ 60 m
Detection Range (Vehicle)	1 ~ 60 m
Detection Accuracy	± 0.5 m
Detection Resolution	0.67 m
Speed Range	0.5 ~ 30 m/s
Speed Accuracy	0.03 m/s
Speed Resolution	0.06 m/s
Angular Accuracy	$\pm 1^\circ$
Field of View (FOV)	Azimuth 120° / Elevation 22°

INTERFACES

Communication Protocols	UDP, TCP, RS485
Network Interface	1 RJ45 10/100M (PoE)
Alarm Interface	2 outputs, 1 input
RS485	Supported
Relay	2 outputs

GENERAL

Power Supply	12 VDC / PoE (IEEE 802.3af)
Power Consumption	3 W
Operating Temperature	-40 °C ~ 75 °C
Storage Temperature	-40 °C ~ 85 °C
Dimensions	149.4 × 125.5 × 45.2 mm
Protection	IP66
Warranty	3 years*



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