Siera Electronics



# PRO WR1/450F90/13

*Professional Perimeter Security Radar*

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

## Featured specifications

- 24.00 ~ 24.1 GHz FMCW Radar
- Person and vehicle detection from 1 to 450 m
- Detection accuracy: ±0.75 m
- Detection resolution: 1.5 m
- Speed range: 0.5 ~ 30 m/s
- Speed accuracy: 0.006 m/s
- Communication via UDP and TCP
- PoE / 12VDC, RJ45 10/100M interface
- IP66 protection
- Compatible with IPX PRO V4

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|---|---|
| **RADAR** | |
| **Radar Sensor** | FMCW Radar |
| **Data Output** | Distance, direction and angle |
| **Transmission Frequency** | 24.00 ~ 24.1 GHz |
| **Refresh Rate** | 8 Hz |
| **EIRP** | 39 dBm |
| **Power Consumption** | 17 W |
| | |
| **PERFORMANCE** | |
| **Identifiable Targets** | People, vehicles |
| **Recognition Pattern** | The radar generates an alarm and allows linking for video review |
| **Detection Range (Pedestrian)** | 1.5 ~ 450 m |
| **Detection Range (Vehicle)** | 1 ~ 600 m |
| **Detection Accuracy** | ±0.75 m |
| **Detection Resolution** | 1.5 m @human, 6m @vehicle |
| **Speed Range** | 0.5 ~ 30 m/s |
| **Speed Accuracy** | 0.006 m/s |
| **Speed Resolution** | 0.003 m/s |
| **Angular Accuracy** | ±1° |
| **Field of View (FOV)** | Azimuth: 90° / Elevation: 13° |
| | |
| **INTERFACES** | |
| **Communication Protocols** | UDP, TCP |
| **Network Interface** | 1 RJ45 10/100M (PoE) |
| **RS485** | Supported |
| | |
| **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 × 47.5 mm |
| **Protection** | IP66 |
| **Warranty** | 3 years * |

WARRANTY 3 YEARS

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

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