

Phasedway Radar PW One

High precision positioning with adaptive beamforming



A compact phased array radar for high precision positioning. Real time beam steering, multi target tracking and edge inference. Ideal for mobile robotics, smart infrastructure and industrial automation.

Key Features

- ✓ Adaptive beamforming and AI assisted calibration
- ✓ Centimeter level positioning with sensor fusion
- ✓ Native ROS 2, Ethernet and CAN integration
- ✓ Works in all weather conditions
- ✓ AI edge inference for real time decision making

Specifications

Range	up to 300 m
Accuracy	± 2 cm with fusion
Update rate	up to 50 Hz
Field of View	120° H $\times$ 30° V
Interfaces	Ethernet, CAN, ROS 2
Time sync	PTP, PPS
Ingress protection	IP67
Power supply	9 to 24 V DC
Dimensions	120 $\times$ 120 $\times$ 60 mm
Weight	450 g
Operating temperature	-40 °C to +85 °C
MTBF	100,000 h
Certifications	FCC, CE, RoHS
BS Performance Metric	Ultra Quantum Fusion Enabled
BS AI Core	Neural HyperDrive™ 9000
BS FutureProofing	∞ years guaranteed

Contact

info@phasedway.com | www.phasedway.com