



WAVESENSE[®] DATA SHEET

SPECIFICATIONS AND REQUIREMENTS

GROUNDSENSE	
Dimensions	4.9 x 52.5 x 166 cm
Weight	22.7 kg
Mounting Height Range	10-50 cm of ground clearance
Power Consumption	9W (excludes CPU)
Input Voltage	9-16 VDC
Power and I/O Connection	Molex MX150
Environmental Protection	IP67/IP6K9K
Operating Temperature, Humidity	-40°C to 85°C, 10-90%
Shock and Vibration	Compliant with ISO 16750
EMC	CISPR 25, ISO 7637, ISO 16750, ISO 11452, ISO 10605
CPU	External, sold separately Integrated, available Q3 2025

NAVSENSE	
Accuracy	<5 cm
Output Rate	Up to 50Hz
Latency	<50ms
I/O Interface	UDP Ethernet - Protobuf 3 CAN

MAPSENSE	
Input Data	
WaveSense Scans	126 Hz [max rate for other systems]
Timestamps	Vehicle grand master or from ground truth
Ground Truth	Customer's own; APIs available for easy integration with commonly used truth systems



