

HEDGE-8008 ANTI-JAM GNSS CRPA

DESCRIPTION

HEDGE-8008 Anti-Jam GNSS Antenna is a state-of-the-art, resilient Controlled Reception Pattern Antenna (CRPA) designed to protect GNSS receivers from jamming and interference. With an eightelement CRPA array, it processes signals through advanced adaptive beamforming algorithms, ensuring uninterrupted satellite navigation even in challenging operational environments.

KEY FEATURES

Simultaneous 8-Channel Multi-Constellation GNSS Reception Up to 7 Different Jammer Suppression Advanced Adaptive Beamforming Algorithms Real Time Monitoring and Configuration in WebGUI Virtual Antenna Pattern Visualization FFT Spectrum Viewer Jammer Signal Information Lightweight, Rugged & Compact Design Compliance with Military Standards

APPLICATION AREAS

Commercial Drones & UAVs Marine **Precision Agriculture** Autonomous Vehicles / Robotics Telecom Infrastructure

Embedded GNSS Receiver (Optional)

TECHNICAL SPECIFICATIONS

Antenna Array: 8 elements

Simultaneous Independent Nulling: 7 Nominal Jammer Suppression: > 50 dB

J/S Performance: > 110 dB (with GNSS receiver) Frequency Bands: GPS L1, GALILEO E1 BEIDOU B1

Operating Voltage: 9-36 V DC Power Consumption: < 13 W

INTERFACE SPECIFICATIONS

Interfaces: Ethernet, RS-485, RS-232 Connectors: 1x SMA, 1x Micro-D

MECHANICAL SPECIFICATIONS

Dimensions: 9 cm x 9 cm x 2.2 cm

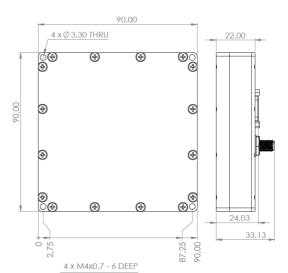
Weight: 275 g

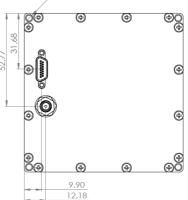
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -40°C to +85°C Environmental Compliance: MIL-STD-810H

EMC Compliance: MIL-STD-461F







Unless otherwise specified dimensions are in millimeters.

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