

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 eight-element 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
- Embedded GNSS Receiver (Optional)

APPLICATION AREAS

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

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

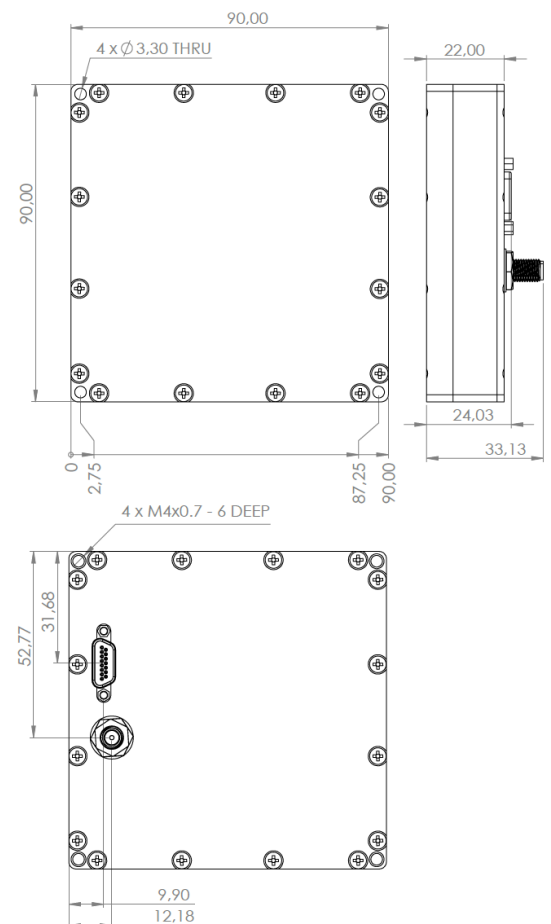
- Interfaces: Ethernet, RS-485, RS-232
- Connectors: 1x SMA, 1x Micro-D

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.