



NAVAIS NS-200

CRPA GNSS Anti-Jamming Antenna



Professional-grade signal integrity. Adaptive multi-element GNSS protection for interference-prone, mission-critical positioning applications.

Key Features

- Advanced CRPA adaptive anti-jamming architecture
- Broadband, narrowband, multi-tone, sweep and pulse suppression
- Three-interference suppression ≥ 95 dB
- B1/L1/E1 and B2a/L5/E5a dual-frequency processing
- Single-interference suppression ≥ 110 dB
- Rugged compact enclosure for professional deployment

Supported Bands and Processing

Band group	Reference capability
B1 / L1 / E1	1568 +/- 10 MHz receive bandwidth
B2a / L5 / E5a	1176 +/- 10 MHz receive bandwidth
Optional signals	L2 / B3 configuration subject to availability
Processing	Dual-frequency high-precision anti-interference

Technical Specifications

Specification	Description
Model	NS-200
Product type	Integrated CRPA GNSS anti-jamming antenna
Primary receive band	B1 / L1 / E1 at 1568 +/- 10 MHz
Secondary receive band	B2a / L5 / E5a at 1176 +/- 10 MHz
Optional frequency support	L2 / B3
Anti-single-interference	>= 110 dB
Anti-three-interference	>= 95 dB
Antenna output power	-50 to -70 dBm
Input voltage	+9 V to +24 V; +24 V default
Power consumption	<= 16 W
RF output	SMA-K
Control / power interface	J30J-9ZK
Dimensions	130 x 130 x 32 mm
Weight	670 g
Housing color	Grey
Operating temperature	-40 C to +85 C
Storage temperature	-55 C to +85 C

CRPA Technology Benefits

Superior anti-jamming protection: Adaptive processing detects interference and suppresses energy arriving from jammer directions.

Improved positioning availability: Helps maintain satellite tracking where conventional GNSS antennas may lose availability.

Enhanced navigation reliability: Supports stable dual-frequency GNSS operation for critical professional applications.

Congested RF environment operation: Designed for sites near communications equipment and other potential interference sources.

High-precision system support: Provides conditioned GNSS signals for RTK, PPK, timing, testing and precision navigation workflows.

Typical Applications

Critical infrastructure | Reference stations | Marine navigation | Autonomous systems | Test and evaluation

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