



NAVAIS NS-150

GNSS+ PRO Industrial Survey Antenna



Professional-grade signal integrity. Industrial survey-grade full-frequency antenna for precision positioning and professional GNSS installations.

Key Features

- Industrial survey-grade full-frequency GNSS antenna
- L-Band support for compatible correction services
- 3.3 V to 12 V receiver-powered operation
- GPS, GLONASS, BeiDou, Galileo, SBAS, QZSS and NavIC
- 38 +/- 2 dB integrated low-noise amplifier
- Low-profile rugged housing for professional deployment

Supported GNSS Signals

Constellation	Supported signals
GPS	L1, L2, L5
GLONASS	L1, L2, L3
BeiDou	B1I, B1C, B2I, B2a, B2b, B3I
Galileo	E1, E5a, E5b, E6
SBAS	L1, L5
QZSS	L1, L2, L5, L6
IRNSS / NavIC	L5
L-Band	Compatible correction services

Technical Specifications

Specification	Description
Model	NS-150
Product name	GNSS+ PRO GNSS Antenna
Product class	Industrial survey-grade full-frequency antenna
Polarization	RHCP
LNA gain	38 +/- 2 dB
Noise figure	< 2 dB
VSWR	<= 2.0
Impedance	50 ohms
Gain flatness	+/- 2.0 dB
Operating voltage	3.3 V to 12.0 V
Current consumption	<= 45 mA
RF connector	TNC-K
Dimensions	Diameter 160 x 66.5 mm
Applications	RTK, PPK, surveying and reference stations

Professional Positioning Benefits

Full-frequency tracking: Broad constellation and band coverage supports professional multi-frequency GNSS receivers.

Survey-grade positioning: Designed for RTK, PPK, mapping, control networks and geospatial field workflows.

Reliable signal reception: A 38 dB low-noise amplifier supports robust receiver input across professional installations.

Flexible receiver integration: Wide 3.3 V to 12 V operation and a standard TNC-K RF interface simplify deployment.

Industrial installation: Low-profile construction supports permanent sites, masts, vehicles and equipment enclosures.

Typical Applications

RTK surveying | PPK | Reference stations | Mapping | Machine control | Monitoring

Confirm final configuration and installation requirements with info@navaisgnss.com