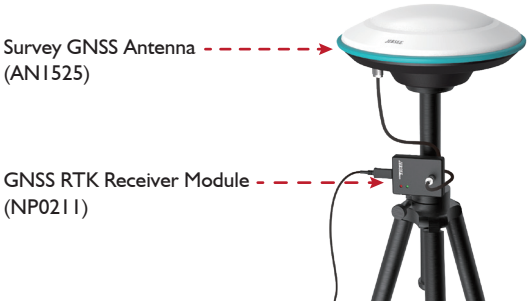
RTK APPLICATIONS

• JEBSEE •

NPA211

GNSS RTK Base Station Receiver L1/L5

High-Precision GNSS RTK Module For Positioning Applications



Features

- **Advanced Multi-Frequency GNSS Support**
  Supports GPS, GLONASS, Galileo, and BeiDou systems across L1, L5 frequencies, ensuring unparalleled precision and reliability in positioning data.
- **Superior Anti-Interference Performance**
  Optimized circuitry and a robust low-noise amplifier actively suppress out-of-band and electromagnetic interference, guaranteeing signal purity and stable performance in complex environments.
- **Rapid Startup and Easy Integration**
  Get to work faster with plug-and-play functionality and simple USB-C connectivity.
- **Flexible Mounting Options**
  Offers multiple mounting choices including bracket mounting or direct mounting, for easy integration into existing setups including drones and surveying instruments.

Application

- **High-Precision UAV Positioning and Navigation**
  Our product is engineered to deliver high-precision, high-reliability positioning for UAVs. It's perfectly suited for professional tasks like aerial photography, remote sensing, and infrastructure inspection.
- **Professional Mapping and Surveying**
  Meets the demands of topographic surveys, cadastral surveys, engineering measurements, and other geospatial data acquisition tasks.

Item \ Model No.	NPA211
	RF Performance
Standard Positioning Accuracy	GNSS RTK Receiver L1 / L5 RTK Fix 0.01 m + 1 ppm CEP
	Timing
Time-to-First Fix (Cold) sec	30 (typ.)
Time-to-First Fix (Hot) sec	2 (typ.)
	Data
RAW Data Update Rate Hz	20 (max.)
RTK Update Rate Hz	8 (max.)
	Electrical
Working Voltage V	4.75 ~ 5.25
Current Consumption mA	100 max. @ 3.0 – 5.5 VDC
Connector Interface	USB-C
	Mechanical
Mounting	Screw Mount
IP Rating	IPX3
Dimensions mm	62.8 x 47.1 x 11.1

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