

# RTK APPLICATIONS

• JEBSEE •

## NP02II

### GNSS RTK Receiver L1/L5

## High-Precision Gns 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.

| Model No.                    |  | NP02II                     |
|------------------------------|--|----------------------------|
| Item                         |  |                            |
|                              |  | RF Performance             |
| Standard                     |  | GNSS RTK Receiver L1 / L5  |
| Positioning Accuracy         |  | 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         |