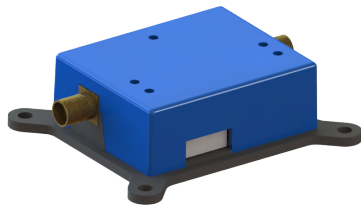


RTK Lite



Product Overview

HJ RTK Lite is a lightweight GNSS RTK module designed for small UAV platforms, providing centimeter-level positioning accuracy in a compact and efficient form factor.

Key Features:

1. Ultra-lightweight: under 30g
2. Hot start time: $\leq 30s$
3. Positioning accuracy: $\leq 25cm$ (RTK)
4. Supports both Rover and Base modes
5. RTK correction data via RTCM 3.x protocol
6. UART interface compatible with Pixhawk series
7. ArduPilot 4.0+ compatible
8. 433/915 MHz telemetry module supported
9. 4G LTE / 5G (via DroneLink) compatible
10. Position accuracy: 7mm (horizontal), 14mm (vertical)

Package Contents:

- HJ RTK Lite Module $\times 1$
- UART Cable for Pixhawk $\times 1$
- UART Cable for Data Link $\times 1$
- Antenna $\times 1$

RTK Lite

Technical Specifications

Item	Specification
Dimensions	42.13 × 41.4 mm
Weight	20g
Operating Temperature	-20°C to +60°C
Power Input	UART 5V
Interface	GH 1.25-6 PIN, UART
Fixing Hole Size	7 mm hole, 14 mm spacing
Supported Protocols	RTCM 3.x, SkyTraq RAW, NMEA 0183
Satellite Support	GPS (QZSS), BDS, Galileo, GLONASS
Horizontal Accuracy	7 mm
Vertical Accuracy	14 mm
Update Rate	1/2/4/5/8/10 Hz
Sensitivity	-230 dBm

Connectors

- **Flight Controller Port:** GPS input via UART
- **Telemetry/Data Port:** External radio or companion computer connection