



GEOFIX



RTK C808

C808 military-grade processing technology, complete electromagnetic compatibility and shielding technology to minimize electromagnetic interference in the system to ensure high quality observation data and results
Intelligent voice broadcast, failure alarm prompt
Help set up steam a certain Li1s Dongjue liquid for 10 hours

Built-in communication module can receive RTCM, CMR, CMR+sCMRx and other differential data formats, compatible with the mainstream domestic CORS system

Dual-transmission data chain and CORS relay reception, to meet the needs of users to the maximum
Star chain continuity function, the whole minute data disconnection can be measured for a few minutes

Small size and strong heat dissipation technology
The same minimum volume, can support the use of built-in flxible 1-2W radio, the role of the distance up to 10Km

WiFi hotspot technology
the host can be connected to any device with WiFi (including cell phone hotspot, router) for differential data transmission

Unique patented offset measurement technology
without relying on any sensors, can easily implement a wide range of high-precision offset measurement

Intelligent power monitoring technology
dynamic frequency adjustment system power consumption

With inertial guidance and tilt measurement function

Product Specification

SATELLITE GNSS		PHYSICAL CHARACTERISTICS	
• GPS	L1, L2, L5	• Material	Magnesium alloy
• GLONASS	L1, L2	• Size	Φ160 x 53mm
• BDS	B1, B2, B3	• Weight	1.2kg
• GALILEO	E1, E5A, E5B	• Working Temperature	-40°C to 65 °C
• QZSS	L1, L2, L5	• Storage Temperature	-55°C to 85 °C
• Static Precision	V: 2mm + 0.1 ppm	• Waterproof and dustproof	IP67
	H: 5mm + 0.1 ppm	• Shock	Resistant to 2m drop with pole
• RTK Precision	V: 8mm + 1ppm	• Humidity	Up to 100%
	H: 15mm + 1ppm	• Certificate	CE, FCC, NGS Calibration
• Code difference	V: 0.25m	• Download Method	USB cable download
	H: 0.5m	• MEMS	Fast fixed, dynamic tilt up to 30 degree
SYSTEM CONFIGURATION		• Cors Relay	Radio relay, internet relay
• Static tracking	1408 channels	• Indicator	Satellites, Datalink, Battery,Bluetooth
• Start up time	<5 seconds	• Voice	Smart human invoice
• Position Output Frequency	1Hz-50Hz	• Battery	6800mAh, rechargeable, up to 13 hours
• Data Storage	8G, 16G, 32G storage	• Button	Power button
DATA COMMUNICATION			
• Built-in Radio	Power: 1w, 2w adjustable, 3 - 5 km typically or 10 km with optimal conditions. Frequency band: 410MHz-470MHz: can set any frequency value with forwarding CORS differential data function		
• External Radio	30-35W; Frequency band: 410MHz-470MHz; Number of channels: 8, distance up to 40km		
• 4G Module	Built-in high-gain GPRS antenna		
• WiFi	With hotspot function: host connects to nearby Wifi hotspot to transmit differential signal		
• Bluetooth	BLE 4.0 low-power Bluetooth, control distance up to 50 meters		
• Differential Format	sCMRx, RTCM3.2, CMR, RTCM3.x optional		
• I/O Interface	1 x five-pin LEMO data interface; 1 x Type-C / USB interface; 1 x SIM card slot (small card); 1 x antenna interface;		

