

# KQ M8S GNSS RECEIVER



**H9 Controller**



WEB UI control



Advanced RTK engine



Fast-Charge



IMU tilt



1408 channels tracking

## GNSS CONSTELLATION TRACKING

- ◆ BDS, GPS, GLONASS, Galileo, QZSS and SBAS. 1408 signal channels full tracking
- ◆ Full -frequency RTK engine and full star RTK technology
- ◆ PPP GAP / PPP quickly re -convergence

## RELIABLE PRECISION

- ◆ Support the full -frequency film RTK positioning solution
- ◆ The embedded multi -frequency point anti -interference technology, significantly improved the initialization speed, measurement accuracy and reliability in complex environments

## LARGE CAPACITY BATTERY

- ◆ Built-in 9600mAh battery, working time over 24 hours (network mode)

## FUNCTIONALITY

- ◆ Base, rover, RTK, Static
- ◆ Via 4G network in receiver/ Controller, or radio method for communication
- ◆ Full protocol internal radio 5W, compatible with other receiver. Transmitting distance over 12--15Km.
- ◆ WEB UI control to provide a friendly experience for user
- ◆ Fast-charge tech with multiple fast charging technology
- ◆ IMU pole -tilt compensation tech, 60 degree and more

## RUGGED AND DURABLE

- ◆ Magnesium alloy case, Only 750g
- ◆ IP67 protection
- ◆ Resistant to 2m drop

**Accuracy& advanced& affordable**

# TECHNICAL SPECIFICATIONS

Performance		
Channel	1408 channels	
GPS	L1C/A/L1C/L2P (Y)/L2C/L5	
GLONASS	G1/G2/G3*	
Beidou	B1I/B2I/B3I/B1C/B2a/B2b	
Galileo	E1/E5a/E5b/E6*	
QZSS	L1/L2/L5	
Output	NMEA-0183	
Accuracy		
STATIC	Horizontal: 2.5mm+1ppm	Vertical:5mm+1ppm
RTK	Horizontal: 8mm+1ppm	Vertical: 15mm +1ppm
PPK/ Stop & Go	Horizontal: 8mm+1ppm	Vertical: 15mm+1ppm
IMU Survey	Typically less than 8mm+1ppm /* tilt (2.5cm accuracy of 60° inclination)	
Electrical		
Capacity	Internal battery 9600mAh	
Endurance	More than 24 Hours (network mode), More than 16 Hours UHF (battery bar)	
Communication		
Data Storage	32GB	
Bluetooth/WiFi	V2.1+EDR / V4.0 dual mode , 802.11 b/g/n	
Network Communication	GSM/GPRS/ECGE/WCDMA/LTE/4G	
Internal radio	5Watt/ 410--470 Mhz	
Physical		
Weight	0.75KG	
Dimensions	143.5mm*90.7mm	
Operating Temperature	-20C~+60C	
Waterproof/Dustproof	IP67	
Protection	Withstand Drop From 2m To Concrete	
Protection		
USB	TypeC	
Sim Card	Micro Sim Card	
Data Format		
Correction Format	RTCM v3.2-RTCM v2.3-CMR-CMRX	
Data Output Format	NMEA 0183-Binary code	
Network Correction	VRS-IMAX-FKP-All Ntrip Protocols	
Radio protocol	TrimTalk, TrimMark3, SOUTH PCC-EOT .ect	