KQGEO TECHNOLOGIES

Accuracy Advanced Affordable

KQ M8S GNSS RECEIVER

WEB UI con1rol | Advanced RTK engine | Fast- Charge | IMUtil t | 1408 channels 1racking

GNSS CONSTELLATION TRACKING

BOS, 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 13000mAh 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 SW, 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

Authorized Reseller

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TECHNICAL SPECIFICATIONS

Performance

Channel	1408 channels
GPS	L1C/NL1C/L2P (Y)/L2C/L5
GLONASS	G1/G2/G3*
Beidou	B11/B21/B31/B 1 C/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 (2.5cmaccuracy of 60° inclination)	

Electrical

Capacity	Internal battery 13000mAh
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/WCDMNLTE/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	Type C
Sim Card	Micro Sim Card

Data Format

Correction Format	RTCM v3. 2-RTCM v2.3-CMR-CMRX
Data Output Format	NMEA 0 183-Binary code
Network Correction	VRS-IMAX-FKP-AII Ntrip Protocols
Radio protocol	TrimTalk, TrimMark3, SOUTH PCC-EOT ect

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