



Innovate the RTK survey

- Brand new design with laser positioning technology precisely facilitates RTK survey on any objects and optimizes your field work.
- Professional GNSS satellites tracked simultaneously(GPS,Glonass,Galileo,Beidou).
- Cutting-edge tilt sensor technology is adopted, supporting fast initialization, dynamic tilt survey up to 60°.
- Applies WIFI connection to realize WebUI control designed to modify settings and monitor the receiver status.
- Bundled Android field software brings a big change in user experience and accessibility.

## Specifications

# A66MAX

## LASER GNSS RECEIVER



### GNSS Engine

Satellite tracking	GPS:L1C/A,L1C,L2P(Y),L2C,L5 GLONASS:G1,G2,G3 BDS:B1I,B2I,B3I,B1C,B2a,B2b GALILEO:E1,E5a,E5b,E6 QZSS:L1,L2C,L5,L6* NAVIC(IRNSS):L5 SBAS:L1C/A PPP:B2B-PPP   E6-HAS
Channel	1408
Data update frequency	Supports 50Hz output
Positioning frequency	1HZ 2HZ 5HZ 10HZ 20HZ 50HZ
Cold start	< 12 seconds
Initialization time	< 5 seconds
Initialization reliability	> 99.9%
Tilt survey accuracy	≤2cm within 60° tilt
Time accuracy	20ns
RTK accuracy	H: ±8.0 mm + 1 ppm V: ±15.0 mm + 1 ppm
Static accuracy	H: ±2.5 mm + 0.5 ppm V: ±5.0 mm + 0.5 ppm
Single point accuracy	H: 1.5 m V: 2.5 m
Differential accuracy	H: 0.4 m V: 0.8 m

### Laser module

Laser ranging distance	0.1-50m
Laser ranging resolution	1mm
Laser ranging accuracy	2mm @1σ
Laser Measurement accuracy (plane)	2cm within 5m/3cm within 10m When IMU reaches the optimal initialization state

### Battery

Battery life	Static 20H,Rover 16H,Base 10H
Power supply	9V/2A,5V/2A MAX18W,3.6V_13600mAh

### Physical

Shell material	Magnesium aluminum alloy
Button	Power button
Indicator	Satellites, datalink, battery
Operating temperature	-30°C ~ +65°C
Storage temperature	-40°C ~ +80°C
Water / dust proof	IP68
Operating humidity	99.90% non-condensing
Shock	1.8 m pole drop resistant in normal temperature

### System

Operation system	Linux
Internal memory	8GB
Data transmission	4G/Bluetooth/WIFI/Radio
Bluetooth	V5.0,BLE
WIFI	802.11a/b/g/n
Radio	1W
Radio frequency	410-470MHZ
Air baudrate	19200,9600,4800
Supported protocol	TrimTalk450s(T),TrimMark III, SOUTH,PCC-EOT,Hi-target,Satel, Farlink, etc.
Supported language	Chinese,English,Turkish,Polish, Korean,Indonesian,Spanish, Telugu,Russian, etc.

### Camera

Number of lenses	2
Lens field of view	83.4°(front/bottom)
Sensor pixel	2 megapixel(front/bottom)
Camera focal length	5m(front),2m(bottom),
Sensor resolution	1920*1080

### Related Products



A60 Pro Receiver



A70 AR Receiver



TRU35 External Radio



P9IV Controller



P9III Controller



A100 Plus CORS

Illustrations, descriptions and technical specifications are not binding and may change



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