



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

A98L Laser RTK



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



JIMENEZ & PIÑA
SURVEY INSTRUMENTS



WEBSITE: JPSURVEYINSTRUMENTS.COM

JIMÉNEZ & PIÑA SURVEY INSTRUMENTS ÚNICOS REPRESENTANTES OFICIALES DE FOIF PARA LA REPÚBLICA DOMINICANA.

DIRECCIÓN: CALLE 2, URBANIZACIÓN CABIRMA DEL ESTE, SANTO DOMINGO ESTE, REPÚBLICA DOMINICANA.

EMAIL: INFO@JPSURVEYINSTRUMENTS.COM

TEL: +1 829-916-3012