

## A10 Static Receiver



- Advanced rugged design
- Voice messages
- OLED display with superior brightness & temperature range
- Compatibility, can work with other brands single & dual-frequency receivers to do control surveying

# A10 Static Receiver Specifications

## Receiver

Receiver Type:	L1, C/A code, with carrier phase smoothing
Channels:	12-channel, parallel tracking (10-channel when tracking SBAS)
SBAS tracking:	2-channel, parallel tracking
Update Rate:	Maximum 1Hz
Time to first fix (C/W/R):	60s/45s/20s
Reacquisition:	1s

## Memory

128 MB internal memory  
(expandable through SD card, max.4G)

## Power consumption

Battery:	4400mAh Li-ion
Voltage:	7.4V
Working time:	≥24 hours
Charging time:	≤6 hours

## Static Accuracy

Static horizontal accuracy:	5mm+1ppm
Static vertical accuracy:	10mm+1ppm
Single positioning accuracy:	<2.5m 95% confidence <0.6m 95% confidence(DGPS)
Operating Distance:	≤30km

## Environmental

Operating Temperature:	-30 °C to +65 °C
Storage Temperature:	-40 °C to +75 °C
Humidity:	100% condensing
Waterproof:	IP67(IEC60529)
Shock:	2 m (6.56 ft) pole drop

## Physical

Size:	22.7cm(d)*20.3cm(w)*9.5cm(h)
Weight:	1.3kg (include battery)

## Office Software Suite: FOIF Geomatics CAD

### Main functions include:

DWG file format, compatible with AutoCAD  
Integrated transformation and grid system computations  
Full 3D least squares adjustment, blunder detection, graphical ellipse display  
DTM contouring/Modeling volumes/3D rendering  
Site Design: Ponds, ditches, stockpiles and slopes  
Road Design: horizontal and vertical alignments, cross sectional templates  
12 hours of built-in training movies  
Completely customizable user interface  
-Toolbars - can be arranged with "drag and drop" functionality  
-Menus - can be re-organized with our graphical menu editor  
-Screen - items can be turned off for more graphics area  
-Layout - of command window - top or bottom  
Reporting, exporting and printing

## Office Software Suite: FOIF Geomatics office

### Main functions include:

Network post-processing  
Integrated transformation and grid system computations  
Pre-defined datums along with use -defined capabilities  
Survey mission planning  
Automatic vector processing  
Least-squares network adjustment  
Data analysis and quality control tools  
Coordinate transformations  
Reporting  
Exporting  
Geoid



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