

L2

α-GEO

THE SMALLEST
IMU GNSS RECEIVER



<https://alphageo-info.com>

THE SMALLEST GEODESIC GNSS DEVICE IN THE WORLD

L2 is the smallest geodesic GNSS device in the world so far, with a mass of less than 170g. However, the sparrow may be small but it has all the vital organs, it is equipped with a high-performance OEM board, and the number of channels has reached 1408. Supports all satellites and all frequency bands, and performs well even in complex environments. In addition, this small body is also equipped with a fast initialization, calibration free & immune to magnetic interference IMU module. All users can use this technology to collect or stakeout topo points up to 60°. Because of the ultra-small size of the device, it can basically meet the needs of various measurement scenarios, such as personnel positioning, GIS industry, pipeline measurement and so on.



SPECIFICATIONS

GNSS Performance	Satellites signals tracked simultaneously	GPS :L1C/A,L1C,L2C,L2P(Y),L5 BDS :B1I,B2I,B3I,B1C,B2a,B2b* SBAS:L1,L2,,L5 QZSS:L1,L2,L5,L6* Galileo:E1,E5a,E5b,E6* GLONASS:L1,L2
	Channels	1408 tracking channels
	Accuracy	Horizontal: 8 mm+1 ppm RMS Vertical: 15 mm+1 ppm RMS
	Speed	≤0.03m/s
	Start time	Cold Start≤30s, Hot Start≤3s
Electrical	Battery	Built-in lithium-ion battery
	Capacity	1800mAh/8.4v, ≥10h working time
	Interface	Type-c 5V/2A
Communication	Data Interface	Type-C
	Bluetooth	Bluetooth V4.0
Environmental	Water/Dust proof	IP65/IP67
	Shockproof	Survive a 2m pole drop onto concrete
	Operating Temperature	-20℃ to 75℃
	Storage Temperature	-40℃ to 85℃
Button & Indicators	Button	1*Power Button
	Indicators	1*Power Light, 1*Bluetooth Light, 1*Data Light,1*Satellite Light
Physycal	Dimension	118mm×52mm×36mm
	Weight	≤170g

