

iG3s

Octa-Frequency Static GNSS Receiver

Triple Constellation: GPS + GLONASS + BeiDou





384-Channel Precision Static Occupation GNSS Receiver

- Designed for NGS OPUS, perfect for OPUS Projects and all Static GPS Campaigns
- Standard RINEX files compatible with all processing programs
- Tracks **GPS**: L1/L2/L5/L2P/L2C **GLONASS**: L1/L2 **BeiDou**: B1/B2/B3
- Large ground-plane geodetic antenna offers low angle tracking
- Simple 1-button (Power-Switch) operation
- Emulates USB External Drive for downloads
- Includes the iGage iGx Download Tool to automate Download, RINEX Export and OPUS online submissions
- 4-GB Internal Memory: stores 37 full days of 5-second observation data
- Rugged, Submersible, IP67



iG3s Static GNSS Receiver Specifications

Price (MSRP) ¹	Call iGage for current pricing.			
GNSS Engine	UNICORECOMM UB380			
				
Measurements	384-channels, 3-constellations, 8-frequency, 5-hz, tracking: GPS: L1, L2, L2C, L5 GLONASS: L1, L2 BeiDou: B1, B2, B3			
Post-Processing Static Performance (RMS) ²		Measurement (RMS)		
		GPS	GLONASS	BDS
	B1/L1 C/A, B2/L2P(Y), B3/L5 code	10 cm	10 cm	10 cm
	B1/L1, B2/L2, B3/L5 Carrier Phase	1 mm	1 mm	1 mm
Mounting	Standard 5/8" 11-TPI bottom mount			
Initialization	Cold Start < 50 seconds; Hot Start < 35 seconds			
Physical	Size (L x W x H): 7.5 x 7.9 x 3.3 in (190 x 200 x 84 mm) Weight: 3 lbs. 1 oz. (1.4 kg) with battery Operating temperature: -40°F to 149°F (-40°C to +65 °C) Storage temperature: -40°F to 167°F (-40°C to +75°C) Humidity: 100% condensation Waterproof and dust proof: IP67 protected from temporary, immersion to depth of 1-meter, floats Shock: survives a 2-meter drop to concrete			
Electrical	Power consumption: 4.7 watts (0.625 A @ 7.4V) Lithium-Ion battery capacity: 3,400 mAh, 7.4 V, (also accepts 2,200 and 2,400 mAh) Battery Life ³ : Up to 5-hours typical, 1,000 charge cycles External power input accepts 9 to 18 VDC Communication: 10-pin Circular Connector: USB: GPS Device mounts as an external drive Serial: RS232 Communications and Configuration Port			
Internal Storage	4-GB Flash. ~37 day storage with 5-second epochs, 224 days with 30-second epochs ⁴			
Warranty	2-year warranty; accessories 1-year; batteries 90-days			

	<p>What accessories are included in the heavy-duty waterproof case with the iG3s receiver?</p> <ul style="list-style-type: none"> iGage iG3s Precision Static GPS+GLO+BDU Receiver 1-Battery, Quad-Charger with Wall Mount Power Supply Combination USB + Serial + Power Download Cable External Alligator-Clip Power Cable (for charger or head power) SECO Stedi-Rest (PN 91641) Printed iG3s User's Manual iGage Download and Submission Tool DVD
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iG3s Complete Kit

¹ Price includes Ground Shipping to most USA address. Shipment of Lithium-Ion batteries will determine delivery speed.

² Precision and performance values assume a minimum of 9-satellites in multipath clear, EMI free, obstruction free environment with reasonable atmospheric conditions and satellite geometry. Post-processed accuracy is dependent on baseline length and time-on-point, 24-hour observations may be required. Stable mounts and generally accepted survey practices are required for the highest order survey results. OPUS solution results are CORS dependent.

³ Battery life varies with temperature and battery age. An external power source is recommended for static occupations lasting longer than 6-hours. Elevated and extreme cold working or storage temperatures (> 85°F, <-20°F) hasten capacity loss.

⁴ Assuming 14-tracked satellites.

Prices, specifications and descriptions are subject to change without notice. Please call us for the latest information and a price quotation.

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iGage Mapping Corporation
1545 S 1100 E STE 1
Salt Lake City Utah 84105 USA
+1-801-412-0011 www.igage.com