

# iG5

## Octa-Frequency GNSS Receiver

Quad Constellation: GPS + GLONASS + Galileo + BeiDou





### 624-Channel Precision 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 **Galileo**: E1/E5a/E5b
- Full case 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
- 6-GB Internal Memory: stores ~100 full days of 5-second observation data
- Rugged, Submersible, IP67



# iG5 GNSS Receiver Specifications

Price (MSRP) <sup>1</sup>	Call iGage for current pricing		
GNSS Engine	UNICORECOMM UB4B0		
			
Measurements	624-channels, 4-constellations, 5-hz, tracking: GPS: L1, L2, L5 BeiDou: B1, B2, B3 GLONASS: L1, L2 Galileo: E1, E5a, E5b QZSS: L1, L2, L5 SBAS: L1		
Post-Processing Static Performance (RMS) <sup>2</sup>		Measurement (RMS)	
	Single Point Position	1.5 m Horz, 1.5 m Vert	
	DGPS	0.4 m Horz, 0.8 m Vert	
	Post Processed Carrier Phase	3 mm + 1ppm Horz, 5 mm + 1 ppm	
Mounting	Standard 5/8" 11-TPI bottom mount		
Initialization	Cold Start < 25 seconds; Hot Start < 10 seconds		
Physical	Size (L x W x H): 4.7 x 4.7 x 3.4 in (119 x 119 x 85 mm) Weight: 1 lbs. 11 oz. (772 g) 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 watts Lithium-Ion battery capacity: 6,800 mAh 7.4 V built-in. Battery Life <sup>3</sup> : Up to 15-hours typical, 1,000+ charge cycles. Communication: Type USB-C for communication and charging. USB: Device mounts as an external drive. Bluetooth: 4.1 Wi-Fi: 802.11 b/g/n; access point mode		
Internal Storage	6.7-GB Flash. ~20-days storage with 1-second, 100 days 5-second epochs, auto ring-buffering <sup>4</sup>		
Warranty	1-year warranty; accessories 30-days; battery 30-days		

	<p><b>Accessories included in the heavy-duty waterproof case with the iG5 receiver:</b></p> <ul style="list-style-type: none"> <li>iGage iG5 Precision GNSS Receiver</li> <li>USB-C to USB Cable for charging and downloading</li> <li>Wall Mount Power Supply</li> <li>Printed iG5 User's Manual</li> <li>iGage Download and Submission Tool on Thumb Drive</li> <li>Hard-shell case</li> </ul>
-------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



iG5 Complete Kit

<sup>1</sup> Price includes Ground Shipping to most USA address.

<sup>2</sup> 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.

<sup>3</sup> Battery life varies with temperature and battery age. An external power source is recommended for static occupations lasting longer than 5-hours. Elevated and extreme cold working or storage temperatures (> 85°F, <-20°F) hasten capacity loss.

<sup>4</sup> 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.

FCC: Model iG5 – PN i73 SY4-A2020

[ Rev 019, 25 March 2021]



**iGage Mapping Corporation**

1545 S 1100 E STE 1

Salt Lake City Utah 84105 USA

+1-801-412-0011 [www.igage.com](http://www.igage.com)