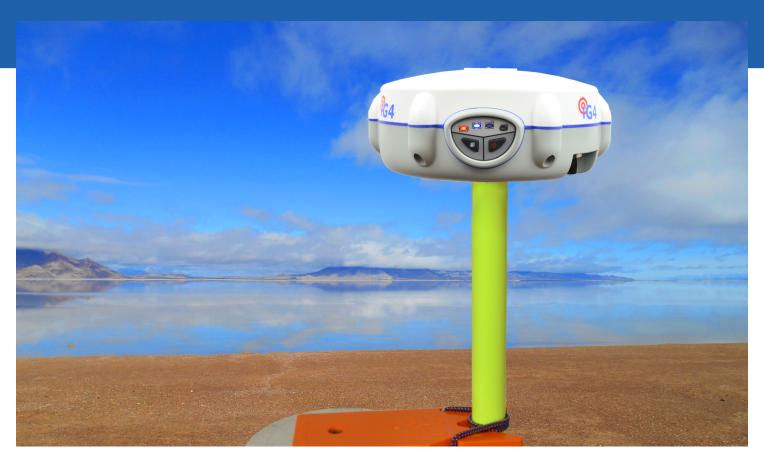
## iG4

# Octa-Frequency GNSS Receiver Quad Constellation: GPS + GLONASS + Galileo + BeiDou



#### **432-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
- 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 30 full days of 5-second observation data
- Rugged, Submersible, IP67



### iG4 GNSS Receiver Specifications

Price (MSRP) 1	Call iGage for current pricing.			
GNSS Engine	UNICORECOMM UB480			
	\$64			
Measurements	432-channels, 4-constellations, 5-hz, tracking:			
	GPS: L1, L2, L5 GLONASS: L1, L2			
	BeiDou: B1, B2, B3 Galileo: E1, E5a, E5b SBAS: L1			
Post-Processing,		Single Point Position (Autonomous)	1.5 m Horz, 2.5	m Vert
Static and RTK Performance (RMS) <sup>2</sup>		DGPS	0.4 m Horz, 0.8	m Vert
		Post Processed Carrier Phase	1 mm	
		RTK	10 mm + 1 ppm Horz, 15	mm + 1 ppm Vert
Mounting	Standard 5/8" 11-TPI bottom mount			
Initialization	Cold Start < 25 seconds; Hot Start < 10 seconds; RTK Initialization 5 s typical			
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 <sup>3</sup> : Up to 6 ½ -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, Bluetooth			
	Note: The iG4 does not have a UHF radio and is suitable for Data Collector Internet (DCI) operation only.			
Internal Storage	4-GB Flash. ~30 day storage with 5-second epochs, 200 days with 30-second epochs <sup>4</sup>			
Warranty	2-year warranty; accessories 1-year; batteries 90-days			



#### What accessories are included in the heavy-duty waterproof case with the iG4 receiver?

iGage iG4 Precision GNSS 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)

Hold-a-Pole

Printed iG4 User's Manual

iGage Download and Submission Tool DVD



iG4 Complete Kit

- <sup>1</sup> Price includes Ground Shipping to most USA address. Shipment of Lithium-Ion batteries will determine delivery speed.
- <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.
- $^3$  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.

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