Honeywell

Granit 1911i

Wireless Industrial-Grade Area-Imaging

The Granit ™ 1911i wireless industrial-grade area-imaging scanner is designed to withstand the varied demands that exist in harsh working environments. Featuring a custom built housing that is redefining the standard for scanner reliability, the IP65 rated Granit 1911i is built to survive 5,000 3.3 ´ (1 m) tumbles and 50 drops to concrete from 6.5 ´ (2 m) even at -4°F (-20°C). As a result, businesses can expect to experience minimal device downtime and a lower overall cost of ownership.

Powered by Honeywell's Adaptus ™ 6.0 imaging technology and its revolutionary decoding architecture, the Granit 1911i provides users with the same exceptional bar code reading performance as the best-in-class Xenon ™ series of area-imaging scanners. From poorly printed and damaged codes to low density linear codes, the Granit 1911i is built to read virtually all bar codes with ease—supporting maximum operator productivity with its enhanced illumination, crisp laser aiming and extended depth-of-field.

The Granit 1911i also incorporates a Bluetooth ® Class 1, v2.1 radio, enabling wireless connectivity and unrestricted movement up to 300 feet (100 m) from the base. Additionally, with Honeywell's Shift-PLUS power management system users can expect up to 14 hours of battery life reducing the cost associated with battery backups and replacements. A paging system is also available for added convenience to assist with locating misplaced scanners.

Created specifically for applications in which high performance scanning is expected and durability is highly valued, the Granit 1911i is the optimal solution for businesses operating in unpredictable conditions.

Features

- Class-Leading Durability: The custom-built IP65-rated housing is able to withstand 5,000 3.3´ (1 m) tumbles and survive 50 drops from 6.5´ (2 m) at -4°F (-20°C) reducing service costs and increasing device uptime
- Wireless Connectivity: Bluetooth ® Class 1, v2.1 radio enables movement up to 300´ (100 m) from base, and reduces interference with other wireless systems. Up to 7 imagers can communicate with a single base, reducing the total cost of ownership
- TotalFreedom ™ 2.0: The second-generation of Honeywell's area-imaging development platform enables the loading and linking of multiple applications to enhance image decoding, data formatting and image processing—eliminating the need for host system modifications
- Long-Lasting Lithium-Ion Battery: Powers up to 50,000 scans per full charge and is removable without tools ensuring maximum uptime for operations running multiple shifts
- Extended Linear Depth of Field: Scans out-of-reach items with ease and allows users to scan 20 mil linear codes out to 29.5 ˝ (75 cm) without sacrificing performance on 2D codes
- Remote MasterMind ™ Scanning Management Software: Quick and convenient solution for IT administrators seeking to manage the scanners within their network from a single remote location

Granit 1911i Technical Specifications

Wireless

Radio/Range	2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1: Class 1: 100m (300') line of sight
Data Rate (Transmission Rate)	Up to 1 Mbits/S
Battery	2000 mAh Li-ion minimum
Number of Scans	Up to 50,000 scans per charge
Expected Hours of Operation	14 hours
Expected Charge Time*	4.5 hours

Mechanical/Electrical

	Scanner (1911iER-3)	Charger/Communication Base (COB02/CCB02-100BT-07N)
Dimensions (LxWxH)	133 mm x 75 mm x 195 mm (5.2˝ x 2.9˝ x 7.6˝)	250 mm x 103 mm x 65 mm (9.9˝ x 4.1˝ x 2.6˝)
Weight	380 g (13.4 oz)	290 g (10.2 oz)
Operating Power (Charging)	N/A	5 W (1A @ 5 V)
Non-Charging Power	N/A	0.6 W (0.12A @ 5 V)
Host System Interfaces	N/A	USB, Keyboard Wedge, RS232 TTL

Environmental

	Scanner (1911iER-3)	Charger/Communication Base (COB02/CCB02-100BT-07N)
Operating Temperature**	-20°C to 50°C (-4°F to 122°F)	-20°C to 50°C (-4°F to 122°F)*
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	Up to 95% relative humidity, non-condensing	Up to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 2 m (6.5´) drops to concrete at -20°C	Designed to withstand 50 1.2 m (4´) drops to concrete at -20°C
Tumble	5,000 1m (40˝) tumbles	5,000 1m (40˝) tumbles
Environmental Sealing	IP65	IP51
Light Levels	0 to 100,000 lux (9,290 foot-candles)	N/A
ESD	±20Kv air discharge, ±8kV contact discharge	±20Kv air discharge, ±8kV contact discharge

Scan Performance

Scan Pattern	Area Imager (838 x 640 pixel array)
Motion Tolerance	Up to 610 cm/s (240 in/s) at 16.5 cm (6.5˝) and 381 cm/s (150 in/s) at 25 cm (10.0˝) for 13 mil UPC
Scan Angle	ER Focus: Horizontal: 31.6°; Vertical: 24.4°
Symbol Contrast	20% minimum reflectance difference
Pitch, Skew	45°, 65 °
Warranty	3 year factory warranty (Note: battery warranty is 1 year)

*battery charging only occurs between 5° C and 40°C; **with industrial grade cable ordered separately

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

Typical Performance*	Extended Range (ER)
Narrow Width	
7.5 mil Code 39	48 mm - 310 mm (1.9 ˝ – 12.2 ˝)
13 mil UPC	15 mm - 543 mm (0.6˝ - 21.4˝)
20 mil Code 39	15 mm - 749 mm (0.6˝ - 29.5˝)
6.7 mil PDF417	69 mm - 226 mm (2.7˝ - 8.9˝)
10 mil DM**	71 mm - 261 mm (2.8˝ - 10.3˝)
20 mil QR	20 mm - 495 mm (0.8˝ - 19.5˝)
Resolution 1D Code 39	5 mil (0.127 mm)
Resolution 2D DM**	7.5 mil (0.191 mm)

*Performance may be impacted by bar code quality and environmental conditions
**Data Matrix (DM)

For more information:
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