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RUGGED HANDHELD

Granit™ Ultra 2100i Scanner

Granit Ultra scanners offer ultra scan performance, ultra durability, and ultra ease of use for premium productivity in rugged scanning applications from contact up to arm length (SR model), 10m/33’ (XR model), or 30m/98’ (XLR model)

Overview



The 2025 Red Dot Award-winning Granit Ultra scanners expand capabilities and define the next generation of ultra-rugged scanning.

Ultra Scan Performance

For a scanner to optimize productivity, it should read and transmit common barcodes nearly as fast as the user can pull the trigger, and Granit Ultra is engineered to do just that. Granit Ultra integrates high speed processing, AI algorithms, and decoding enhancements to result in an average 45% scanning speed increase vs. Granit XP*, enabling improved productivity.

Ultra Durability

In modern warehouse, distribution center, and manufacturing environments, any scanner must be durable enough to survive harsh operating conditions. Under exactly that kind of rough treatment, Honeywell Granit Ultra is ready to deliver.

Ultra Ease of Use

Ready to operate right out of the box for many applications, Granit offers easy custom configuration in the time it takes to scan a barcode. For further workflow improvement, Granit can also read multiple codes in the field of view, organizing and outputting the data in a predefined order using Honeywell’s Data Format Editor.

Specifications

FEATURES

Form Factor

- Handheld scanner

Connectivity

- Corded

Application

- Manufacturing: Assembly, Picking, Packing, Stocking
- Transportation & Logistics: Vehicle loading/unloading, Sortation
- Warehouse / DC eCommerce: Picking, Packing, Shipping, Receiving, Putaway, Replenishment

DIMENSIONS

Overall Dimensions

- 194.8mm x 75.8mm x 139.5mm (7.7 in x 3.0 in x 5.5 in)

SCANNING SPECIFICATIONS

Scan Pattern

- Area imager

Scan Distance

- Long Range (0-20m)
- Mid Range (0-5m)
- Standard Range (0-1m)

Motion Tolerance

- Up to 4m/s (157in/s)

Depth of Field

- SR: 20mil C128 - 0 to 1.0m / 0 to 3.4ft
- XLR: 20mil C128 - up to 7.5m / 0 to 24.6ft
- XR: 20mil C128 - 0 to 2.8m / 0 to 9.2ft

Decode Capability

- 1D, 2D, Digimarc, OCR

Brightness

- 0 to 100,000 lux (9,290 foot-candles)

HARDWARE

Aimer Type

- SR: Green 525nm LED
- XR/XLR: Green 520nm laser

Wireless

- No

Host System Interface

- USB, Serial, KBW

Engine Type

- Area imager

Charging

- N/A

ELECTRICAL

Operating Power

- USB 2.0: 2.15W (430mA), other interfaces 2.75W (550mA)

Input Voltage

- 4 to 5.5VDC

Battery Type

- N/A

ENVIRONMENTAL

Storage Temperature Range

- -40°C to 70°C (-40°F to 158°F)

Operating Temperature

- -30°C to 50°C (-22°F to 122°F)

Operating Humidity

- Up to 95% RH, non-condensing

STANDARDS & APPROVALS

Tumble Specifications

- 7500 at 1m (3')

IP Rating

- IP65 / IP68

Drop Specifications

- 3m (10ft) MIL-STD-810G, 25C (77F), 55% RH

SERVICE TERMS

Warranty Duration

- 3 years (battery-1 year)

OTHERS

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