Honeywell | Scanners

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8670

Wireless Ring Scanner

The Honeywell 8670 Wireless Ring Scanner with Bluetooth® technology brings the exceptional 1D and 2D scan performance of the Xenon and Granit™ scanners to a wearable form factor in an ergonomic and rugged design optimized for harsh usage and environments. Incorporating industry-leading Honeywell Adaptus™ 6.0 imaging and decoding technology, the 8670 Wireless Ring Scanner provides fast decode speeds for omnidirectional 1D and 2D barcode scanning, excellent motion tolerance and improved scanning performance on poor-quality or damaged barcodes.

The ergonomic two-piece design includes a small, lightweight scanner that mounts on the finger and a Bluetooth module worn comfortably on the wrist. With the flexible design, users gain unsurpassed freedom of movement to scan barcodes quickly, safely and comfortably while keeping both hands free for efficient handling of other tasks. The design also enables multi-sensory feedback through vibrator, beeper, LEDs and aimer to ensure high user productivity while performing scanning tasks.

The soft elastomeric finger and wrist straps are very comfortable to wear. They are impervious to moisture and hence do not absorb sweat. They can also be easily cleaned, eliminating hygiene concerns.

The rugged design of the scanner enables it to survive extreme temperatures, moist and dusty environments and high electrostatic discharges. It can also survive harsh use including drops to concrete and hits to metal racks and conveyor belts. The optimized cable design maximizes cable durability in extreme use cases.



The 8670 Wireless Ring Scanner combines excellent scanning performance and a rugged two-piece design to improve productivity.

With an integrated Bluetooth radio, the 8670 scanner pairs quickly with Apple® iOS, Android™ and Windows® Mobile devices – as well as standard PCs and laptops equipped with Bluetooth wireless technology. Secure Simple Pairing and EZPairing enable a quick and secure pairing process with host devices.

FEATURES & BENEFITS

Incorporates the Honeywell Ultra-Slim Area-Imaging engine for aggressive, omnidirectional 1D and 2D barcode scanning. High motion tolerance for scanning moving products and the ability to read poor-quality or damaged barcodes results in high user productivity.

Ergonomic two-piece design allows uninterrupted freedom to use both hands for handling objects while quickly scanning codes. Low profile and light weight of the scanner piece mounted on the finger provides comfortable usage and user satisfaction.

Soft elastomeric finger and wrist straps improve comfort and eliminate hygiene concerns because they are impervious to moisture, are easily cleaned and are quickly interchangeable between shifts.

Rugged design enables the scanner to survive harsh usage and extreme environments while providing optimal scan performance. The scanner is built to survive drops to concrete and hits to metal racks and conveyor belts.

Bluetooth wireless technology provides freedom of movement up to 10 m (33 ft) from the host device. Pairs quickly with Apple iOS, Android and Windows Mobile devices as well as standard PCs and laptops equipped with Bluetooth wireless technology.

8670 Wireless Ring Scanner Technical Specifications

MECHANICAL

Dimensions (L x W x H): Bluetooth Module: 78.2 mm x 70 mm x 28 mm (3.1 in x 2.75 in x 1.1 in)

Ring Imager: 50 mm x 30 mm x 30 mm (2 in x 1.2 in x 1.2 in)

Weight: 136 g (4.8 oz)

SCAN PERFORMANCE

Scan Pattern: Area Imager (844 x 640 pixel array)

Motion Tolerance: Up to 584 cm/s (230 in/s) in total darkness with 100% UPC at optimal focus

Symbol Contrast: 20% minimum reflectance difference

Pitch, Skew: 45°, 60°

Warranty: Three-year factory warranty (Note: Battery warranty is one year.)

TYPICAL PERFORMANCE*

NARROW WIDTH	DEPTH OF FIELD
5 MIL CODE 39	54 mm – 153 mm (2.1 in – 6 in)
10 MIL CODE 39	18 mm – 328 mm (0.7 in – 12.9 in)
13 MIL UPC-A	36 mm – 409 mm (1.4 in – 16.1 in)
6.7 MIL PDF417	36 mm – 175 mm (1.4 in – 6.9 in)
10 MIL DATA MATRIX	43 mm – 193 mm (1.7 in – 7.6 in)

ENVIRONMENTAL

Operating Temperature: -20°C to +50°C (-4°F to +122°F)

Storage Temperature: -20°C to +60°C (-4°F to + 140°F)

Humidity: Up to 95% relative humidity, non-condensing

Drop: Designed to withstand 30 1.5 m (5 ft) drops to concrete across temperature range

Environmental Sealing: IP54

Light Levels: 0 to 100,000 lux

ESD: ±20kV air discharge, ±8kV contact discharge

WIRELESS

Radio/Range: 2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1: Class 2; 10 m (33 ft) line of sight

Data Rate (Transmission Rate): Up to 1 Mbits/s

Battery: 3.7V, 750mAh Lithium-Ion

Number of Scans: At least 6,500 (1 scan every 4 seconds for 7 hours)

Expected Hours of Operation: 10 hours typical @ 8 scans per minute

Expected Charge Time: 4 hours

*Performance may be impacted by barcode quality and environmental conditions.

Specifications are subject to change without notice.

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

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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For more information

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