Bluetooth Ring Scanner

Wearable Scanner

The 8650 Bluetooth® Ring Scanner is a comfortable and easy-to-implement productivity tool for all mobile operators who regularly need to scan bar codes. The small, lightweight device rests on the finger, with the Bluetooth module worn comfortably on the wrist. Using our unique EZ-Pair process, pairing with any Bluetooth® enabled hand-held, wearable, fixed-station or vehicle-mount computer is as simple as a single scan. Once in use, the Bluetooth® Ring Scanner reliably transmits critical data from up to 30 feet away. Operators gain unsurpassed freedom of movement to perform bar code reading tasks quickly, safely and comfortably - all while keeping both hands free.

In a business climate where every advantage matters, the Bluetooth Ring Scanner can deliver a 10-15% gain in productivity over a tethered scanner or other solution. What will your business do with an extra 10%?

Features

- **Low Profile, Hands Free:** Reduces interference and improves worker transaction time while reducing accidental drops, lowering the total cost of ownership

- **Flexible Design:** Strap and connector design allows worker to wear the scanner on the back of the hand or on the arm, left or right, increasing worker satisfaction and comfort

- **Bluetooth® Wireless Connectivity:** Class 2 Bluetooth® Version 2.0 keeps the scanner connected up to 30 feet (10m) from the computer, increasing productivity by allowing workers to move to the task

- **Scanning Options:** Standard range scanner that reads all common 1D codes up to 45" (1143mm) or imager that reads both 1D and 2D symbologies up to 21.5" (516mm) to ensure maximum productivity

- **Built Tough Ring:** Magnesium alloy top enclosures, and a smooth, low-profile magnesium trigger offer greater durability and ease of use, leading to increased productivity, a lower cost of ownership and reduced downtime

Bluetooth Ring Scanner Technical Specifications

Mechanical/Environmental

Dimensions	Bluetooth Module: 2.4˝ x 1.96˝ x 0.79˝ (62 x 50 x 20 mm) Ring Laser Scanner: 1.9˝ x 1.1˝ x 1.1˝ (48 x 28 x 28 mm) Ring Imager: 1.9˝ x 1.1˝ x 1.3˝ (48 x 28 x 33 mm)
Weight	4.8oz (136g), Bluetooth module, battery, ring and hand strap
Operating Temperature	-4° to +122°F (-20° to +50°C)
Storage Temperature	-22° to + 122°F (-30° to +50°C)
Humidity	5% to 95% relative humidity non-condensing
Drop	4' (1.22m) drops to concrete
Environmental Sealing	Independently certified to meet IP54 standards for moisture and particle resistance
ESD	15KV Air discharge, 8KV contact discharge

System Architecture

Optional Software	Scan Wedge
Battery	Li-ion, 3.7V, 750mAh
Battery Life	Standard range laser ring: 17+ hours; 2D imager: 12+ hours illumination off, 8+ hours with illumination on
Imager/Scanner	Standard range laser ring, 2D imager ring w/ enhanced white LED illumination
Decode Capabilities	Ring Scanner - Reads standard 1D symbologies; Ring Imager - Reads standard 1D and 2D symbologies
Warranty	1 year factory warranty
Service Plans	Optional three-and five-year service programs offer worry-free mobile computing

Wireless Connectivity

WPAN	Bluetooth® 2.0 + EDR, class II

Ring Scanner

Typical Performance*	High Density (HD)
Narrow Width	
4 mil	25 mm - 139.7 mm (1˝ - 5.5˝)
5 mil	31.8 mm - 203.2 mm (1.3˝ - 8˝)
7.5 mil	38.1 mm - 330.2 mm (1.5˝ - 13˝)
10 mil	38.1 mm - 457.2 mm (1.5˝ - 18˝)
13 mil	38.1 mm - 609.6 mm (1.5˝ - 24˝)
15 mil	38.1 mm - 711.2 mm (1.5˝ - 28˝)
20 mil	44.5 mm - 838.2 mm (1.8˝ - 33˝)
40 mil	914.4 mm (36˝)†
55 mil	1143 mm (45˝)†

*Performance may be impacted by bar code quality and environmental conditions

† Near ranges are largely dependent upon the width of the bar code and the scan angle

Ring Imager

Typical Performance*	Near Focus	Far Focus
Narrow Width		
5.0 mil	89 mm - 178 mm (3.5˝ - 7˝)	165 mm - 191 mm (6.5˝ - 7.5˝)
6.67 mil	95 mm - 152 mm (3.8˝ - 6˝)	N/A
7.5 mil	70 mm - 197 mm (2.8˝ - 7.8˝)	108 mm - 254 mm (4.3˝ - 10˝)
10 mil	83 mm - 184 mm (3.3˝ - 7.3˝)	146 mm - 260 mm (5.8˝ - 10.3˝)
13 mil	57 mm - 222 mm (2.3˝ - 8.8˝)	76 mm - 406 mm (3˝ - 16˝)
15 mil	191 mm (7.5˝)†	349 mm (13.8˝)†
20 mil	279 mm (11˝)†	516 mm (21.5˝)†

*Performance may be impacted by bar code quality and environmental conditions

† Near ranges are largely dependent upon the width of the bar code and the scan angle

The Bluetooth trademarks are owned by Bluetooth SIG, Inc. U.S.A. and licensed to Honeywell International Inc.
For a complete listing of all compliance approvals and certifications, please visit www.honeywellidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellidc.com/symbologies

For more information:

www.honeywellaidc.com

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 650nM
IEC 60825-1 Ed 2 (2007), pulse duration
of 15.5mSec. Complies with 21 CFR 1040.10
and 1040.11 except for deviations pursuant
to Laser Notice No. 50, dated June 24, 2007.

Honeywell Scanning & Mobility

9680 Old Bailes Road

Fort Mill, SC 29707

800.582.4263

www.honeywell.com

Honeywell