RS60 RING SCANNER

Wearable, hands-free scanning

The wearable Handheld RS60 ring scanner is a comfortable hands-free scanning solution for your warehouse. Designed to be worn on either the right or left hand, this lightweight powerhouse thrives at intensive scanning tasks so your workforce can maximize productivity while keeping their hands free.

Tap to pair, stay connected

The RS60 ring scanner is easy to pair with a mobile computer using the Android ring control app and the option of either scanning a barcode or NFC tap to pair. With integrated BT Class 1, you can stay connected to devices—like a forklift-mounted tablet or a holstered-handheld—up to 100 m (300 feet) away.

Warehousing flexibility—nearby and far afield

Your scanning tasks might be anywhere: up-front retail, in the warehouse or on the move. It could be an all-day shift requiring a lightweight scanning solution, or one in tight spaces needing point-and-scan dexterity. For less-intensive scanning tasks, an optional USB-C bracket makes it easy to keep your scanner handy with a lanyard around your neck or on your belt.

High-speed scanning on the go

Whichever is doing the moving—your hand or the packages passing on a conveyer belt—the RS60 ring scanner's 2D imager handles speeds of up to 6.0 m/s, accurately capturing fast-moving barcodes. Powered by the Honeywell N6703 1D/2D barcode scan engine, the RS60 ring scanner offers the convenience of a wearable and the efficiency of a traditional scanner.

Small and mighty wearable scanner

The RS60 wearable ring scanner is small and lightweight, but don't let its small size fool you. Weighing less than two ounces, the RS60 ring scanner packs a wallop. And it comes with programmable LEDs for perfect integration and customization.

A rugged ring scanner for industrial environments

The RS60 ring scanner is rugged enough to go everywhere and work in even the most rugged warehouse environments. Tested to IP65 dust and water resistance and operating from 0°C to 50°C, it can survive multiple drops to concrete. And even in noisy work environments, the buzzer is loud enough to ensure you'll hear successful scans.

Keep it moving

Working for more than a full shift with a long-life battery and equipped with BT v4.2 supporting BLE, the RS60 ring scanner's runtime is up to 11 hours. Smart accessories like a four-slot charging station and an eight-slot battery charger help maximize your runtime.

handheld

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Processor

32-bit ARM® Cortex® processor, up to 120MHz

Firmware

Upgradable via USB or BT

Operating System

Android

RAM and Storage

128 KB / 1MB (PGM), 16MB storage

Dimensions

61 mm x 28 mm x 21 mm (2.4" x 1.1" x0.8")

Weight

With ring trigger
52g (1.83oz)

Without ring trigger
38g (1.34oz)

Battery

4.35V 700mAh Li-ion, field replaceable

Buttons

Side
Device reboot and factory reset

Ports

USB Type-C (ring trigger)

Notification

LED
2 programmable LEDs

Buzzer
Up to 83dBA

Communication

Wireless PAN
Integrated BT Class I+II, Ver. 4.2
BLE support
NFC Tap to Pair
Supported Profiles: Serial Port Profile (SPP)
Human Interface Profile (HID), Service
Discovery Application Profile (SDAP)

Scanner

2D Imager (Honeywell N6703SR)

Sensor
1280x800

Roll
360°

Pitch
60°

Skew
60°

Aiming Element
Advanced red laser: cross target and framers
High brightness green LED: cross target or straight line

Illumination Element
White or red LED: exempt risk group

Field of View
Horizontal: 48°, Vertical: 31°

Ambient Light Immunity (from total darkness)
0 lux to 100,000 lux

Resolution
3 mils C39 (1D), 7 mils Data Matrix (2D), 7mils QR (2D), 4 mils PDF 417 (2D stacked)

Supported 1D Symbologies
Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar

Supported 2D Symbologies
Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Postal codes

Read ranges (typical, white illumination)

Symbology	Near distance mm [in]	Far distance mm [in]
13 MIL UPC	44 [1.73]	573 [22.5]
5 MIL C39	70 [2.76]	301 [11.85]
10 MIL C39	40 [1.57]	517 [20.3]
20 MIL C39	44 [1.73]	800 [31.5]
15 MIL C128	42 [1.65]	650 [25.6]
10 MIL DM	72 [2.84]	297 [11.7]
6,7 MIL PDF417	84 [3.3]	244 [9.6]
15 MIL QR	39 [1.54]	414 [16.3]

Environment

Operating
0°C to 50°C (32 °F to 122°F)

Storage
-40°C to 70°C (-40°F to 158°F)

Drop
Multiple 1.8m (6ft) drops to concrete

Sand and Dust
IP65

Water
IP65

Humidity
95% Non-condensing

Electrostatic Discharge
±15 kV air discharge
±8 kV direct discharge

Regulatory

Certified CE, FCC, IC, TELEC NRCan,
Environmental: RoHS III & WEEE compliant

Options

For options and accessories, please see
www.handheldgroup.com/rs60