

HH1802

Wireless 2D Image Pocket Barcode Scanner

Honeywell HH1802 pocket scanner is a cost effective wireless 2D image scanner that combines high-performance 2D image scanning technology with an elegant and portable design, making it a perfect companion for tablet scanning.

The HH1802 is designed to fit sleek appearance of consumer devices while providing comfort for on-the-go workers to carry, making it perfect for various portable scanning applications such as **tablet-based fixed point-of-sale, mobile point-of-sale**, inventory management, backroom/stockroom operations, in-store customer engagement, and intelligent ward management.

Despite its small size, the HH1802 pocket scanner features the same powerful 2D scan engine as that used in our full-size handheld scanners. It can effortlessly scan all types of **1D and 2D barcodes, even low quality, damaged, or low print contrast barcodes**. Moreover, it can read barcodes directly from customers' **mobile phone screens**, enabling it to handle scanning tasks for mobile coupons, digital loyalty programs, and other value-added mobile marketing campaigns. The HH1802 is the ultimate portable partner for on-the-go scanning in **supermarkets and retail stores**.

The HH1802 features a contoured design that conforms to the palm, highlighting its **portability and ergonomics**. The use of soft-touch plastics, an oversized **trigger button with tactile feedback**, and a **white LED aimer** enables an intuitive and effortless scanning experience.

Equipped with an integrated **Bluetooth® v5.0 Class 2** radio module, the HH1802 seamlessly pairs with **Apple iOS, Android™, and Windows®** mobile devices, as well as standard PCs with Bluetooth technology. It provides wireless freedom of movement up to 164 feet (**50 meters**) from the host device, eliminating the constraints of physical connectivity. With a **user-replaceable long life battery capable of lasting up to 9,000 scans during a single twelve-hour shift**. This ensures uninterrupted productivity without the need for frequent recharging.



FEATURES AND BENEFITS



Full-size Scanning

Incorporates Honeywell's high performance area-imaging engine for aggressive, omnidirectional **1D and 2D bar code scanning**.



Supporting Mobile Marketing

Capable of reading bar codes off smartphone screens—mobile coupons, digital wallets, and digital loyalty cards.



Ergonomic Design

Elegant contoured design, oversized scanning button and light mass make the scanning easier and interesting.



Efficient Bluetooth Connection

Bluetooth wireless technology provides freedom of movement up to 164 ft (**50 m**) from host device.



Superior Endurance with Large-Capacity Battery

Features a battery rated for up to **9,000 scans over 12 hours**, **rechargeable at the base**.

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HH1802 Technical Specifications

MECHANICAL

Dimensions (LxWxH): 46.85 in x 18.31 in x 9.65 in (19.0 mm x 46.5 mm x 24.5 mm)
Weight: 3.7 oz (105 g)

ELECTRICAL

Battery: ≥900mAh Li-ion minimum
Number of Scans: Up to 9,000 scans per full charge (4s/per)
Expected Hours of Operation: 12 hours
Expected Charge Time: 3-4 hours

ENVIRONMENTAL

Operating Temperature: 32°F ~ 122°F (0°C ~ 50°C)
Charging Temperature: 41°F ~ 104°F (5°C ~ 40°C)
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)

Humidity: 0 to 95% relative humidity, non-condensing
ESD: ±8 kV indirect coupling plane, ±15 kV direct air
Drop: 4 ft (1.5 m) to concrete across operating temp range
Vibration: from 10 to 50Hz with a peak acceleration of 10G
Tumble: 2 ft (0.5 m) tumbles (impacts)
Environmental Sealing: IP42
Light Levels: 0 to 100,000 lux (9,290 foot-candles)

WIRELESS

Radio Range: Bluetooth v5.0; Class 2; 164 ft (50 m) line of sight

Scan performance:
Scan Pattern: 2D area imager (1280 *800 pixel array)
Motion Tolerance: Up to 29 in (75 cm) for 13 mil UPC at optimal focus
Scan Angle: Horizontal 40°; Vertical 25.5°
Roll, Pitch, Skew: ±360°, ±60°, ±45°
Symbol Contrast: 20% minimum reflectance difference
Decode Capabilities: Reads standard 1D, PDF, 2D, Postal Digimarc, DOT Code, and OCR symbologies
(Note: Decode capabilities dependent on configuration.)

DECODE RANGES (DOF)

TYPICAL PERFORMANCE*		
Code Density	Near	Far
5 mil Code 39	2 in / 50 mm	9 in / 230 mm
6.7 mil PDF417	1.5 in / 40 mm	8 in / 210 mm
10 mil DM**	1.7 in / 45 mm	7 in / 200 mm
13 mil UPC-A	1.5 in / 40 mm	16 in / 430 mm
20 mil QR	0.9 in / 25 mm	15 in / 385 mm

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

NARROW WIDTH	
Resolution (Code 39)	3mil
Resolution (PDF417)	5mil
Resolution (QR)	5mil
Resolution (DM)	5mil