

# Voyager 1452g

## Upgradeable Area-Imaging Wireless Scanner

Across many industries, 2D barcoding is the standard. Not only is it possible to hold much more data in a 2D code, but government regulations and supplier mandates are requiring their adoption. Enterprises are also looking to leverage emerging trends that require area-imaging technology – today or in the near future – without the need to purchase additional scanning hardware, or settle for reduced scanning performance.

The Voyager™ 1452g scanner allows enterprises to embrace area-imaging at their own pace, and in the most cost-effective manner. Built on the durable platform of Honeywell's world-renowned Voyager series handheld scanners, the Voyager 1452g scanner delivers omnidirectional reading of linear barcodes, plus the ability to affordably upgrade the device to enable 2D barcode scanning – either at the time of purchase, or as data capture needs evolve.

Incorporating a Bluetooth® Class 2 radio, the Voyager 1452g scanner has a wireless range of up to 10 meters (33 feet) from the base, enabling maximum operator freedom while eliminating the hassle and trip-hazard of a tethered cable. For added convenience, an included paging system helps locate misplaced scanners with visual and auditory signals.

The Voyager 1452g scanner offers an exceptional value for enterprises that require the versatility of area-imaging technology today or may need it in the future. Produced by a company with decades of experience in engineering-quality data capture solutions, the Honeywell Voyager 1450g wireless area-imaging scanner is a durable and scalable investment.



*The Voyager 1452g scanner provides wireless omnidirectional reading of linear barcodes, with the ability to affordably upgrade to PDF and 2D barcode scanning at your convenience.*

## FEATURES & BENEFITS



Bluetooth wireless technology facilitates the scanning of all standard 1D, PDF, and 2D barcodes up to 10 meters (33 feet) from the base (depending on the environment).



Unlike traditional laser scanners, the 1D version of the Voyager 1452g scanner can read barcodes omnidirectionally, making it ideal for presentation scanning.



For those who only require 1D scanning now but anticipate 2D scanning in the future, the Voyager 1452g scanner can be affordably upgraded from 1D to 2D scanning at any time.



Scans coupons, mobile tickets, and digital wallets from the screens of mobile devices.



The field-replaceable lithium-ion battery provides 14 hours or more of use, depending on scanning volume.

# Voyager 1452g Technical Specifications

## WIRELESS

**Radio/Range:** 2.4 GHz 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 Mbps

**Battery:** 2,400 mAh lithium-ion battery

**Number of Scans:** Up to 50,000 scans at 1 scan/second

**Expected Hours of Operation:** 14 hours

**Expected Charge Time:** 4.5 hours

## MECHANICAL/ELECTRICAL

**Dimensions (L x W x H):**

**Scanner (1452g):** 62 mm x 173 mm x 82 mm  
(2.5 in x 6.8 in x 3.2 in)

**Charger/Communication Base (CCB01-010BT-V7N):** 132 mm x 102 mm x 81mm  
(5.2 in x 4.0 in x 3.2 in)

**Weight:**

**Scanner:** 210 g (7.4 oz)

**Charger/Communication Base:** 179 g (6.3 oz)

**Operating Power (Charging):**

**Scanner:** N/A

**Charger/Communication Base:** 5 W (1A @ 5V)

**Non-Charging Power:**

**Scanner:** N/A

**Charger/Communication Base:** 0.5 W  
(0.1A @ 5V)

**Host System Interfaces:**

**Scanner:** N/A

**Charger/Communication Base:** USB,  
Keyboard Wedge, RS-232 TTL,  
IBM 46xx (RS485)

## ENVIRONMENTAL

**Operating Temperature:**

**Scanner:**

**Charging:** 5°C to 40°C (41°F to 104°F)

**Non-Charging:** 0°C to 50°C (23°F to 122°F)

**Charger/Communication Base:**

**Charging:** 5°C to 40°C (41°F to 104°F)

**Non-Charging:** 0°C to 50°C (32°F to 122°F)

**Storage Temperature with Battery:**

**Scanner:**

**For storage up to 90 days:** -20°C to 35°C  
(-4°F to 95°F)

**For storage up to 1 year:** -20°C to 20°C  
(-4°F to 68°F)

**Charger/Communication Base:** -40°C to 70°C  
(-40°F to 158°F)

**Humidity:**

**Scanner:** 0 to 95% relative humidity,  
non-condensing

**Charger/Communication Base:** 0 to 95%  
relative humidity, non-condensing

**Drop:**

**Scanner:** Designed to withstand  
30 1.5 m (5 ft) drops to concrete

**Charger/Communication Base:** Designed to  
withstand 50 1.0 m (3.3 ft) drops to concrete

**Tumble:**

**Scanner:** Designed to withstand 1,000 tumbles  
from 0.5 m (1.64 ft)

**Environmental Sealing:**

**Scanner:** IP42

**Charger/Communication Base:** IP41

**Light Levels:**

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

**Charger/Communication Base:** N/A

## SCAN PERFORMANCE

**Scan Pattern:** Area Image (640 x 480 pixel array)

**Motion Tolerance:** Up to 10 cm/s (4 in/s) for  
13 mil UPC at optimal focus

**Scan Angle:** Horizontal 37.8°; Vertical 28.9°

**Symbol Contrast:** 35% minimum  
reflectance difference

**Pitch, Skew:** ±60°, ±70°

**Decode Capability:**

**1452g1D:** All standard 1D symbologies

**1452g2D:** All standard 1D, PDF417,  
and 2D symbologies

**Warranty:** 3-year factory warranty

| TYPICAL PERFORMANCE* | EXTENDED RANGE (ER)               |
|----------------------|-----------------------------------|
| <b>NARROW WIDTH</b>  |                                   |
| 5 mil Code 39        | 45 mm – 107 mm (1.8 in – 4.2 in)  |
| 13 mil UPC           | 37 mm – 260 mm (1.4 in – 10.2 in) |
| 20 mil Code 39       | 42 mm – 360 mm (1.6 in – 14.2 in) |
| 6.7 mil PDF417       | 42 mm – 107 mm (1.6 in – 4.2 in)  |
| 10 mil DM**          | 42 mm – 107 mm (1.6 in – 4.2 in)  |
| 20 mil QR            | 32 mm – 210 mm (1.2 in – 8.3 in)  |

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

\*\* Data Matrix (DM).

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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Specifications are subject to change without notice.



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