# Voyager 1400g

## Area-Imaging Scanner

2D bar codes are becoming increasingly popular across a wide range of industries for a number of reasons. Some enterprises have a desire to capture large amounts of data, despite space constraints, while others are being required to read 2D bar codes due to government regulations or supplier mandates. And an even larger group of enterprises simply have the desire to leverage emerging trends that require area-imaging technology, today or in the future, without needing to purchase additional scanning hardware.

Enterprises that recognize the importance of upgrading to area-imaging scanners are generally unwilling to accept a decline in scan performance. They are also looking for a solution that is capable of reading traditional paper-based bar codes, as well as bar codes found on alternative mediums, such as mobile phone screens.

Built on the platform of Honeywell's world-renowned Voyager series of hand-held linear scanners, the Voyager 1400g delivers omnidirectional reading of linear bar codes, plus the ability to affordably upgrade the device to enable PDF and 2D bar code scanning—at the time of purchase or as scanning needs evolve. Performing at speeds that are comparable to laser-based scanners, the versatile and reliable Voyager 1400g can be customized to meet current and future scanning needs, lowering the total cost of ownership.

With no need for additional functionality beyond linear and 2D bar code scanning, many enterprises are unwilling to pay for fully-featured area-imaging scanners. The Voyager 1400g enables PDF and 2D bar code scanning without extra value-added features, such as advanced image capture and processing applications, allowing Honeywell to offer 2D scanning at an attractive price.

The Voyager 1400g 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 more than 15 years of experience in engineering quality area-imaging solutions, Honeywell's Voyager 1400g area-imaging scanner is a smart investment.

## Features

- **Reliable Data Collection:** Offers omnidirectional reading of virtually all linear bar codes and the most widely used 2D bar codes, including poor quality and mobile bar codes (2D decoding available in select models)

- **Remote MasterMind™ Ready:** Reduces total cost of ownership by providing a turnkey remote device management solution that easily manages and tracks usage of installed devices

- **Future Proof:** Delivers affordable scanning of 2D bar codes, allowing enterprises to meet their current and future bar code scanning needs with a single device

- **Flexible Licensing Solution:** Meets diverse scanning requirements by offering models with basic functionality —purchase software licenses to enable additional functionality as the need arises

# Voyager 1400g Technical Specifications

## Mechanical

| | |
|---|---|
| **Dimensions (LxWxH)** | 180 mm x 66 mm x 43 mm  (7.1˝ x 2.6˝ x 1.7˝) |
| **Weight** | 119 g (4.2 oz) |

## Electrical

| | |
|---|---|
| **Input Voltage** | 4.0 to 5.5 VDC |
| **Operating Power** | 2 W (400mA @ 5 VDC) |
| **Standby Power** | 0.45 W (90mA @ 5 VDC) |
| **Host System Interfaces** | USB, Keyboard Wedge, RS232, IBM 46xx (RS485) |

## Environmental

| | |
|---|---|
| **Operating Temperature** | 0°C to 40°C (32°F to 104°F) |
| **Storage Temperature** | -40°C to 60°C (-40°F to 140°F) |
| **Humidity** | 0% to 95% relative humidity, non-condensing |
| **Drop** | Designed to withstand 30 1.5 m (5´) drops to concrete |
| **Environmental Sealing** | IP42 |
| **Light Levels** | 0 to 100,000 lux (9,290 foot-candles) |

## 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** | 1400g1D: all standard 1D symbologies<br>1400gPDF: all standard 1D and PDF417 symbologies<br>1400g2D: all standard 1D, PDF417 and 2D symbologies |
| **Warranty** | 5 year factory warranty |

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

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**Typical Performance**

| Narrow Width | Depth of Field |
|---|---|
| 5 mil Code 39 | 36mm - 105mm (1.4" - 4.1") |
| 13 mil UPC | 30mm - 255mm (1.2" - 10.0") |
| 20 mil Code 39 | 35mm - 355mm (1.4" - 14.0") |
| 6.7 mil PDF417 | 35mm - 100mm (1.4" - 3.9") |
| 10 mil DM** | 35mm - 100mm (1.4" - 3.9") |
| 20 mil QR | 25mm - 205mm (1.0" - 8.1") |

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

**Data Matrix (DM)

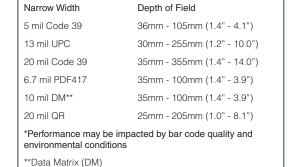**For more information:**
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