Voyager 1450g
Upgradeable Area-Imaging 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™ 1450g 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 1450g scanner delivers omnidirectional reading of linear barcodes, plus the ability to affordably upgrade the device to enable PDF and 2D barcode scanning – either at the time of purchase, or as data capture needs evolve.

For those who only need the ability to read linear and 2D barcodes, the Voyager 1450g scanner is the perfect fit. It doesn’t include additional area-imaging features such as advanced image capture and processing applications, allowing Honeywell to keep costs down while offering aggressive linear and 2D scanning at an attractive price.

The Voyager 1450g 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 area-imaging scanner is a durable and scalable investment.

FEATURES & BENEFITS

- Offers omnidirectional reading of virtually all linear barcodes and the most widely used 2D barcodes, including poor-quality and mobile barcodes (2D decoding available in select models).
- Scans coupons, mobile tickets, and digital wallets from the screens of mobile devices.
- Delivers affordable scanning of 2D barcodes, allowing enterprises to meet their current and future barcode scanning needs with a single device.
- Meets diverse scanning requirements by offering models with basic functionality, with flexible software licenses enabling additional functionality as needs evolve.
**Voyager 1450g** Technical Specifications

### MECHANICAL
Dimensions (L x W x H): 62 mm x 169 mm x 82 mm (2.4 in x 6.6 in x 3.2 in)
Weight: 130 g (4.6 oz)

### ELECTRICAL
Input Voltage: 4.0V DC to 5.5V DC
Operating Power: 2 W (400 mA @ 5V DC)
Standby Power: 0.45 W (90 mA @ 5V DC)
Host System Interface: USB, Keyboard Wedge, RS-232, 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: Up to 95% relative humidity, non-condensing
Drop: Designed to withstand 30 1.5 m (5 ft) drops to concrete
Tumble: Designed to withstand 1,000 tumbles from 0.5 m (1.64 ft)
Environmental Sealing: IP40
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:
1450g1D: All standard 1D symbologies
1450gPDF: All standard 1D and PDF417 symbologies
1450g2D: All standard 1D, PDF417, and 2D symbologies
Warranty: 5-year factory warranty

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

* 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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