Xenon 1900

Area-Imaging Scanner

Xenon™ 1900, Honeywell’s sixth-generation of area-imaging technology, is redefining the standard for hand-held scanners. Featuring a custom sensor that is optimized for bar code scanning, Xenon 1900 offers industry-leading performance and reliability for a wide variety of applications that require the versatility of area-imaging technology.

Powered by Adaptus® Imaging Technology 6.0, Xenon 1900 delivers superior bar code scanning and digital image capture. Xenon 1900 incorporates a revolutionary decoding architecture and a custom sensor, enabling extended depth of field, faster reading, and improved scanning performance on poor quality bar codes. From high density linear to 2D bar codes found directly on the screen of a mobile device, Xenon 1900 decodes virtually all bar codes with ease.

A new space-saving design that mounts critical components on a single board eliminates the need for connectors. A more reliable design with fewer components minimizes downtime and improves serviceability, resulting in increased productivity. Its small form factor ensures that the Xenon 1900 fits well in virtually any sized hand, reducing operator fatigue.

Built with durability in mind, Xenon 1900 can withstand up to 50 drops to concrete from distances as high as 6 feet. An IP41-rating provides added protection. With a solid-state design backed by a five-year warranty, Xenon 1900 is constructed to deliver years of uninterrupted performance.

Features

- **Custom Sensor Optimized for Bar Code Scanning:** Improves scanning aggressiveness and protects investment by providing supply chain stability
- **Multiple Focal Options:** Three focal options (high density, standard range and extended range) provide application-specific scanning, leading to improved productivity
- **Image Processing Software:** Offers advanced editing functionality—cropping, brightening, rotating, sharpening and more—to produce high-quality digital images
- **TotalFreedom™ 2.0:** Second-generation development platform enables the loading and linking of multiple applications on the scanner to enhance image processing, decoding or data formatting functionality, eliminating the need for host system modifications
- **Remote MasterMind™ Scanner Management Software:** Provides a quick and convenient solution for IT administrators seeking to manage all scanners within their network from a single remote location
Xenon 1900 Technical Specifications

**Mechanical**
- Dimensions (LxWxH): 104 mm x 71 mm x 160 mm (4.1” x 2.8” x 6.3”)
- Weight: 147 g (5.2 oz)

**Electrical**
- Input Voltage: 4 VDC to 5.5 VDC
- Operating Power: 2.3 W (450mA @ 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 50°C (32°F to 122°F)
- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 0% to 95% relative humidity, non-condensing
- Drop: Designed to withstand 50 1.8 m (6’) drops to concrete
- Ratchet stand: Designed to withstand 50 1.2 m (4’) drops to concrete on each of the faces
- Environmental Sealing: IP41
- Light Levels: 0 to 100,000 lux (9,290 foot-candles)
- Ratchet Cycles: The ratchet stand shall support 10,000 cycles (each cycle is one full movement of the scanner either up or down) without losing its ability to keep the scanner in any ratchet position

**Scan Performance**
- Scan Pattern: Area Image (838 x 640 pixel array)
- Motion Tolerance: Up to 610 cm/s (240 in/s) for 13 mil UPC at optimal focus
- Scan Angle: HD Focus: Horizontal 41.4°; Vertical: 32.2°
  SR Focus: Horizontal: 42.4°; Vertical: 33°
  ER Focus: Horizontal: 31.6°; Vertical: 24.4°
- Symbol Contrast: 20% minimum reflectance difference
- Pitch, Skew: 45°, 65°
- Decode Capability: Reads standard 1D, PDF, 2D, Postal and OCR symbologies
  *Note: Decode capabilities dependent on kit configuration
- 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

### Typical Performance*

<table>
<thead>
<tr>
<th>Narrow Width</th>
<th>High Density (HD)</th>
<th>Standard Range (SR)</th>
<th>Extended Range (ER)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mil Code 39</td>
<td>0 mm - 104.1 mm (0” - 4.1”)</td>
<td>27.9 mm - 134.6 mm (1.1” - 5.3”)</td>
<td>94 mm - 203.2 mm (3.7” - 8.0”)</td>
</tr>
<tr>
<td>13 mil UPC</td>
<td>10.2 mm - 167.6 mm (0.4” - 6.6”)</td>
<td>10.2 mm - 439.4 mm (0.4” - 17.3”)</td>
<td>25.4 mm - 525.8 mm (1.0” - 20.7”)</td>
</tr>
<tr>
<td>20 mil Code 39</td>
<td>10.2 mm - 233.7 mm (0.4” - 9.2”)</td>
<td>12.7 mm - 584.2 mm (0.5” - 23.0”)</td>
<td>25.4 mm - 596.9 mm (1.0” - 23.5”)</td>
</tr>
<tr>
<td>6.7 mil PDF417</td>
<td>0 mm - 109.2 mm (0” - 4.3”)</td>
<td>10.2 mm - 154.9 mm (0.4” - 6.1”)</td>
<td>71.1 mm - 233.7 mm (2.8” - 9.2”)</td>
</tr>
<tr>
<td>10 mil DM**</td>
<td>0 mm - 127 mm (0” - 5.0”)</td>
<td>12.7 mm - 190.5 mm (0.5” - 7.5”)</td>
<td>63.5 mm - 287 mm (2.5” - 11.3”)</td>
</tr>
<tr>
<td>20 mil QR</td>
<td>10.2 mm - 190.5 mm (0.4” - 7.5”)</td>
<td>15.2 mm - 383.5 mm (0.6” - 15.1”)</td>
<td>17.8 mm - 482.6 mm (0.7” - 19.0”)</td>
</tr>
<tr>
<td>Resolution 1D Code 39</td>
<td>3 mil (0.076 mm)</td>
<td>5 mil (0.127 mm)</td>
<td>5 mil (0.127 mm)</td>
</tr>
<tr>
<td>Resolution 2D DM**</td>
<td>5 mil (0.127 mm)</td>
<td>6.7 mil (0.170 mm)</td>
<td>7.5 mil (0.191 mm)</td>
</tr>
</tbody>
</table>

*Performance may be impacted by bar code quality and environmental conditions
**Data Matrix (DM)
About Compsee

Who We Are
Compsee is a leading total solutions provider of data collection hardware, software and services. Our products include barcode scanners and printers, mobile computers, barcode labels and ribbons, RFID system equipment, barcode verifiers, and a range of software to track materials and manage your technologies. We also provide a complete suite of services to aid in the configuration, installation and management of your technologies.

30+ Years of Experience
Our product and service experts have been serving both small and large businesses since 1984. Identifying better technologies and systems to manage your data is our expertise, and over the years we have built a solid network of hardware manufacturers and software developers to provide you with the most advanced data tracking solutions available. We aim to create a customized solution for your unique business needs.

Why Choose Compsee?

Expert Technical Support
Our experts are always available to suggest products and solutions for your needs. We pride ourselves on staying up-to-date with the newest technologies and services and passing this information along to you.

Outstanding Access to Top Manufacturers
Compsee maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

Complete Deployment Services
We specialize in custom system setups, including configuration and software loading on your newly purchased equipment. We provide product activation & imaging, inspection, asset tagging, custom packaging and shipping services to ensure your technologies arrive at your business ready for operation right out of the box. Additionally, we are able to install the new technologies and train your employees.

Responsive Customer Service
Every phone call and email is responded to promptly, completely and accurately by our customer service team.

Lifelong Product Support
Our Life Cycle Services provide lifelong support of your technologies after initial installation, including product repair, mobile device management, warranty management, product refreshes, and e-waste recycling. With our advance exchange program, we keep replacement supplies in stock and immediately send them to you to minimize system downtime.

Compsee Reduces Your Cost of Ownership
By leveraging our dependable and high quality managed services, you can rest assured that your Return on Investment is maximized and total cost of ownership is kept to a minimum.

Contact us for product / service recommendations & to place an order

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