Honeywell

Xenon 1900h

Area-Imaging Scanner

Xenon 1900h, designed specifically for healthcare, is redefining the standard for hand-held scanners. Honeywell's sixth-generation of area-imaging technology features a custom sensor that is optimized for bar code scanning. With industry-leading performance and reliability, the Xenon 1900h is well suited for a wide variety of healthcare applications that require the versatility of area-imaging technology.

Powered by Adaptus® Imaging Technology 6.0, Xenon 1900h delivers superior bar code scanning and digital image capture. Xenon 1900h incorporates a revolutionary decoding architecture along with 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, Xenon 1900h decodes virtually all bar codes found in healthcare environments with ease.

A new space-saving, reliable design with fewer components minimizes downtime and improves serviceability, resulting in increased productivity. Its small form factor ensures that the Xenon 1900h fits well in virtually any sized hand, reducing operator fatigue.

Built with durability in mind, Xenon 1900h can withstand up to 50 drops to concrete from distances as high as 6 feet. Additionally, Xenon 1900h incorporates disinfectant-ready housing which resists the harmful effects of harsh cleaning agents used commonly in healthcare environments. Backed by a five-year warranty, Xenon 1900h 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
- **Laser-Free Solution:** Class I LED illumination mitigates the risk of eye injury and, unlike laser-based devices, does not require training for safe operation
- **Disinfectant-Ready Housing:** Protects investment with durable construction that is better able to resist the harmful effects of harsh chemicals
- **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 1900h 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
Environmental Sealing	IP41
Light Levels	0 to 100,000 lux (9,290 foot-candles)
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	Horizontal 41.4°; Vertical: 32.2°
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*	High Density (HD)
Narrow Width	
5 mil Code 39	0 mm - 104.1 mm (0˝ - 4.1˝)
13 mil UPC	10.2 mm - 167.6 mm (0.4˝ - 6.6˝)
20 mil Code 39	10.2 mm - 233.7 mm (0.4˝ - 9.2˝)
6.7 mil PDF417	0 mm - 109.2 mm (0˝ - 4.3˝)
10 mil DM**	0 mm - 127 mm (0˝ - 5.0˝)
20 mil QR	10.2 mm - 190.5 mm (0.4˝ - 7.5˝)
Resolution 1D Code 39	3 mil (0.076 mm)
Resolution 2D DM**	5 mil (0.127 mm)

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

**Data Matrix (DM)

For more information:
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