

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



For more information:

www.honeywellaidc.com

Honeywell Scanning & Mobility

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Typical Performance*	High Density (HD)
Narrow Width	
5 mil Code 39	0 mm - 91 mm (0" - 3.6")
13 mil UPC	15 mm - 150 mm (0.6" - 5.9")
20 mil Code 39	20 mm - 208 mm (0.8" - 8.2")
6.7 mil PDF417	0 mm - 94 mm (0" - 3.7")
10 mil DM**	0 mm - 104 mm (0" - 4.1")
20 mil QR	18 mm - 173 mm (0.7" - 6.8")
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)	

Honeywell

Disinfectant-Ready Housings

Healthcare Solution

Ensuring patient safety should be the primary concern of healthcare professionals. Honeywell is the first company in the automatic identification and data collection (AIDC) industry to introduce disinfectant-ready housings, a healthcare solution designed specifically to address this concern.

Excellent at resisting the harmful effects of harsh cleaning agents used commonly in healthcare environments, Honeywell now offers products that are built to withstand frequent exposure to any of our recommended cleaning solutions.

Data collection hardware is traditionally made of amorphous plastics, such as PC/ABS. These plastics become susceptible to cracking after repeated exposure to harsh chemicals. Cracks can lead to hardware malfunction and more serious consequences, such as the corrosion of electronic circuitry and electrical fires.

Healthcare professionals that use traditional data collection hardware often place their hardware in plastic bags to reduce the likelihood of contamination. This practice results in poor scanning performance.

Disinfectant-ready housings allow healthcare professionals to execute the 5 rights of patient safety, while minimizing the risk of spreading infectious diseases.

Several Honeywell solutions including the Xenon™ 1900h, the Xenon™ 1900h Color, the Xenon™ 1902h, the Xenon™ 1902h Color, the Dolphin® 7800hc, the Dolphin® 9700hc, and the Dolphin® 99EXhc are now available with disinfectant-ready housings.

Protect your patients and your hardware investment by choosing Honeywell solutions with disinfectant-ready housings.



Products available with white disinfectant-ready housings

	Xenon™ 1900h Xenon™ 1900h Color
	Xenon™ 1902h Xenon™ 1902h Color
	Dolphin® 7800hc mobile computer
	Dolphin® 9700hc mobile computer
	Dolphin® 99EXhc mobile computer

Recommended Cleaning Solutions

- Sani-Cloth® HB
Sani-Cloth® Plus
Super Sani-Cloth®
Isopropyl Alcohol Wipes (70%)
CaviWipes™
Virex® 256
409® Glass and Surface Cleaner
Windex® Blue
Clorox® Bleach - 10%
Gentle dish soap and water

For more information:

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