Honeywell

Xenon 1902h Color

Wireless Area-Imaging Scanner

Xenon™ 1902h Color, designed specifically for healthcare users, is redefining the capabilities of hand-held scanners. Honeywell's sixth-generation of area-imaging technology features a custom sensor that is optimized for bar code scanning, plus ColorFusion™ Technology which enables color imaging. With industry-leading performance and reliability, Xenon 1902h Color is well suited for a wide variety of healthcare applications that would benefit from the ability to capture color images, plus the freedom of Bluetooth® wireless connectivity.

Color imaging unlocks a new world of functionality. It allows healthcare professionals to read high contrast color bar codes that were previously unreadable, such as a red bar code on a white background. Additionally, it eliminates the need to use a separate digital camera and external storage media for color image capture and transfer, enabling streamlined workflow and improved productivity, as well as protection of sensitive patient data. Most importantly, Xenon 1902h Color provides color imaging functionality without sacrificing the aggressive bar code scanning performance enabled by Adaptus® Imaging Technology 6.0, ensuring that healthcare institutions can meet the data capture needs of today and tomorrow.

Built with durability in mind, Xenon 1902h Color can withstand up to 50 drops to concrete from distances as high as 6 feet. Additionally, Xenon 1902h Color incorporates disinfectant-ready housing which resists the harmful effects of harsh cleaning agents used commonly in healthcare environments and minimizes the spread of infectious diseases. Backed by a three-year warranty, Xenon 1902h Color is constructed to deliver years of uninterrupted performance.

Features

- **Wireless Connectivity:** Bluetooth Class 2, v2.1 radio enables movement up to 33 feet (10m) from base, reduces interference with other wireless systems, and lowers total cost of ownership by allowing up to seven imagers to communicate to a single base

- **ColorFusion Technology:** Allows color images to be captured and high contrast color bar codes to be scanned, without negatively impacting bar code scanning performance

- **Long-Lasting Lithium-Ion Battery with Tool-Free Access:** Powers up to 50,000 scans per full charge ensuring maximum uptime; thumbwheel end-cap provides tool-free access to the battery, enabling employees to quickly and easily swap batteries

- **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

- **Vertical Base:** Minimizes overall footprint and enables presentation scanning, making the scanner ideal for use in areas such as pharmacy

- **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

Xenon 1902h Color Technical Specifications

Wireless

Radio/Range	2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1; Class 2: 10 m (33') line of sight
Data Rate (Transmission Rate)	Up to 1 Mbit/s
Battery	1800 mAh Li-ion minimum
Number of Scans	Up to 50,000 scans per charge
Expected Hours of Operation	14 hours
Expected Charge Time	4.5 hours

Mechanical/Electrical

	Scanner	Charger/Communication Base
Dimensions (LxWxH)	104 mm x 71 mm x 160 mm (4.1˝ x 2.8˝ x 6.3˝)	132 mm x 102 mm x 81 mm (5.2˝ x 4˝ x 3.2˝)
Weight	214 g (7.5 oz)	179 g (6.3 oz)
Operating Power (Charging)	N/A	5 W (1A @ 5 V)
Non-Charging Power	N/A	0.5 W (0.1A @ 5 V)
Host System Interfaces	N/A	USB, Keyboard Wedge, RS232, IBM 46xx (RS485)

Environmental

	Scanner	Charger/Communication Base
Operating Temperature	0°C to 50°C (32°F to 122°F)	Charging: 5°C to 40°C (41°F to 104°F) Non-Charging: 0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	0 to 95% relative humidity, non-condensing	0 to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 1.8 m (6´) drops to concrete	Designed to withstand 50 1 m (3.3´) drops to concrete
Environmental Sealing	IP41	IP41
Light Levels	0 to 100,000 lux (9,290 foot-candles)	N/A

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): Horizontal: 41.4°; Vertical: 32.2°
Print Contrast	20% minimum reflectance difference
Pitch, Skew	45°, 65°
Decode Capabilities	Reads standard 1D, PDF, 2D, Postal and OCR symbologies *Note: Decode capabilities dependent on kit configuration
Warranty	3 year factory warranty (Note: battery warranty is 1 year)

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 - 91.4 mm (0˝ - 3.6˝)
13 mil UPC	10.2 mm - 149.9 mm (0.4˝ - 5.9˝)
20 mil Code 39	10.2 mm - 213.4 mm (0.4˝ - 8.4˝)
6.7 mil PDF417	0 mm - 96.5 mm (0˝ - 3.8˝)
10 mil DM**	0 mm - 106.7 mm (0˝ - 4.2˝)
20 mil QR	10.2 mm - 172.7 mm (0.4˝ - 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)

For more information:

www.honeywellaidc.com

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