Honeywell

Enhanced Xenon 1902h

Wireless Area-Imaging Healthcare Scanner

Honeywell's Xenon healthcare scanner has long been the choice for best-in-class healthcare organizations looking to improve their medication administration and positive patient identification workflows. Now, the next-generation Enhanced Xenon 1902h adds a number of features specifically requested by clinicians to further enhance patient comfort and improve common clinician workflows.

Setting the high watermark for scanning performance, the Enhanced Xenon 1902h utilizes Honeywell's sixth-generation Adaptus™ area-imaging technology for incredibly responsive reading of virtually all 1D, PDF, and 2D bar codes—even challenging high-density, low contrast, translucent or damaged codes. ColorFusion™ technology adds color imaging, allowing the scanner to read color bar codes that are becoming more prevalent in healthcare environments.

To enhance patient comfort while maintaining clinician productivity, the Enhanced Xenon 1902h can be quickly toggled into Patient Do-Not-Disturb mode. When in this mode, audible feedback is disabled and replaced by additional visual display options that provide positive status indication to the clinician. Additionally, a unique Scan Lamp mode can be activated with the touch of a button. When mounted above a workstation on wheels (WoW) display, the Scan Lamp casts white illumination to the work surface. This allows staff to read labels, verify medication, or enter data—all without having to turn on the room light and disturb resting patients.

The Enhanced Xenon 1902h is enclosed in a disinfectant-ready housing which resists the harmful effects of harsh cleaning agents commonly used in healthcare environments and minimizes the spread of infectious diseases. Backed by a three-year warranty, the Enhanced Xenon 1902h scanner is built to deliver years of uninterrupted performance in challenging healthcare environments.

Features

- **High Performance Color Area-Imaging:** Powered by Adaptus™ and ColorFusion™ technologies, Xenon delivers unrivaled scanning performance.
- **Disinfectant-Ready Housing:** Protects investment with durable construction that is better able to resist the harmful effects of harsh chemicals.
- **Patient Comfort Features:** Quickly toggle into Patient Do-Not-Disturb and Scan Lamp modes to maintain clinician productivity during night shifts, or when resting patients are present.
- **Efficient Wireless Performance:** Bluetooth™ wireless technology provides freedom of movement up to 10 meters (33 feet) from base.
- **Flexible Radio Power Management:** Limits the radio power output of the scanner to minimize interference with other devices.

Enhanced Xenon 1902h Technical Specifications

Wireless	
Radio/Range	2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1: Class 2: 10m (33') line of sight
Data Rate (Transmission Rate)	Up to 1 Mbps
Battery	2400 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 (Enhanced Xenon 1902h)	Charger/Communication Base (CCB01-010BT-HC)
Dimensions (LxWxH)	104 mm x 71 mm x 160 mm (4.1" x 2.8" x 6.3")	132 mm x 102 mm x 81mm (5.2" x 4.0" x 3.2")
Weight	214 g (7.5 oz)	179 g (6.3 oz)
Operating Power (Charging)	N/A	5 W (1A @ 5V)
Non-Charging Power	N/A	0.5 W (0.1A @ 5 V)
Host System Interfaces	N/A	USB, Keyboard Wedge, RS232 TTL, IBM 46xx (RS485)

Environmental	Scanner (Enhanced Xenon 1902h)	Charger/Communication Base (CCB01-010BT-HC)
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 with Battery	For storage up to 90 days: -20°C to 35°C (-4°F to 95°F) For storage up to 1 year: -20°C to 20°C (-4°F to 68°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 1.0 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°
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	3 year factory warranty

Refer to the Honeywell Scanning & Mobility Compliance Center (www.honeywellaidc.com/compliance) to review and download any publicly available documentation pertaining to the certification of this product in a given country.

Refer to the Honeywell Scanning & Mobility Supported Symbologies Datasheet (www.honeywellaidc.com/symbologies) for a complete listing of all supported bar code symbologies.

Specifications are subject to change without notice.

Typical Performance*	High Density (HD)
Narrow Width	Depth of Field
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 condition

** Data Matrix (DM)

For more information:

www.honeywellaidc.com

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