1900EHC-VBEC

Area-Imaging Healthcare Scanner

Honeywell's Xenon healthcare scanner has long been the choice for best-in-class healthcare organizations looking to improve patient safety while enhancing clinician productivity. Now, the next-generation Enhanced Xenon 1900h adds new functionality specifically requested by clinicians to further enhance patient comfort and improve common clinician workflows.

As a wired scanner, the Enhanced Xenon 1900h is ideal for fixed applications that require direct connection to a workstation or laptop. The 1900EHC-VBEC is compatible with the VistA Blood Establishment Computer System.

Setting the high watermark for scanning performance, the Enhanced Xenon 1900h 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 1900h 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.

Compatible with the VistA Blood Establishment Computer (VBECS)

The Enhanced Xenon 1900h 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 five-year warranty, the Enhanced Xenon family is built to deliver years of uninterrupted performance in challenging healthcare environments.

FEATURES & BENEFITS

Powered by Adaptus™ and ColorFusion™ technologies, Xenon delivers unrivaled scanning performance on 1D, PDF, and 2D barcodes.

Healthcare grade disinfectant-ready housing protects investment with durable construction that is better able to resist the harmful effects of harsh chemicals.

Quickly toggle to Patient Do-Not-Disturb Mode utilizing visual feedback to minimize intrusive feedback tones and improve patient comfort.

Ideal for fixed applications requiring direct connection to a workstation or laptop. (For wireless applications, consider Enhanced Xenon 1902h.)

Backed by a five-year warranty, the Enhanced Xenon 1900h Color scanner is built to deliver years of uninterrupted performance.

Enhanced 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

TYPICAL PERFORMANCE*	HIGH DENSITY
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)

Kit Number	Description
1900EHC-VBEC	1900EHC-VBEC TCG USB KIT, HIGH DENSITY IMAGER, WHITE DISINFECTANT-READY HOUSING, USB CABLE & TCG CONFIGURATION CARD FOR VAMC VBECs.

To learn more TCG VA Products:

www.tcgbarcode.com\vamc

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.

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