Honeywell

TCG

Xenon 1900

Area-Imaging Scanner

Xenon 1900, Honeywell's sixth-generation of area-imaging technology, is redefining the standard for hand-held scanners. Featuring a custon sensor that is optimized for bar code scanning, Xenon 1900 offers industry-leading performance and reliability for a wide variety o applications that require the versatility of area-imaging technology.

Powered by Adaptus® Imaging Technology 6.0, Xenon 1900 delivers superior bar code scanning and digital image capture. Xenon 1900 incorporates a revolutionary decoding architecture that combines Adaptus Imaging Technology 5.5 and Omniplanar's SwiftDecoder™ software 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 found directly on the screen of a mobile device, Xenon 1900 decodes virtually all bar codes with ease.

A new space-saving design that mounts critical components on a single board eliminates the need for connectors. A more reliable design with fewer components minimizes downtime and improves serviceability, resulting in increased productivity. Its small form factor ensures that the Xenon 1900 fits well in virtually any sized hand, reducing operator fatigue.

Built with durability in mind, Xenon 1900 can withstand up to 50 drops to concrete from distances as high as 6 feet. An IP41-rating provides added protection. With a solid-state design backed by a five-year warranty, Xenon 1900 is constructed to deliver years of uninterrupted performance.

SEWP Kit Numbers

1) PN: 1900hhd-bcma : Tethered scanning kit with Healthcare plastics, USB cable kit, VAMC BCMA defaults, and warranty & setup card.

Features

- **Custom Sensor Optimized for Bar Code Scanning:** Improves scanning aggressiveness and protects patients by providing accurate, reliable data
- **High Definition Imaging:** The new high density imager provides over two times the resolution of the previous generation which means quicker, more accurate scanning of even the smallest of barcodes.
- **Includes True Disinfectant-Ready Housing:** Protects investment with durable construction that is better able to resist the harmful effects of harsh chemicals. It is more than durable and resistant than standard antimicrobial housings.
- **Pre-programmed BCMA Defaults:** Ready out of the box, the Xenon 1900 is pre-programmed with the latest BCMA settings so all you need to do it plug it in and start scanning. If the settings are ever changed, just scan the included warranty and setup card to reset the scanner to the original BCMA default.
- **Image Processing Software:** Offers advanced editing functionality—cropping, brightening, rotating, sharpening and more—to produce high-quality digital images
- **TotalFreedom™ 2.0:** Second-generation development platform enables the loading and linking of multiple applications on the scanner to enhance image processing, decoding or data formatting functionality, eliminating the need for host system modifications
- **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 1900 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 Ratchet stand: Designed to withstand 50 1.2 m (4´) drops to concrete on each of the faces
Environmental Sealing	IP41
Light Levels	0 to 100,000 lux (9,290 foot-candles)
Ratchet Cycles	The ratchet stand shall support 10,000 cycles (each cycle is one full movement of the scanner either up or down) without losing its ability to keep the scanner in any ratchet position
Recommended Cleaning Solutions	Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®, Isopropyl Alcohol Wipes (70%), CaviWipesTM, Virex® 256, 409® Glass and Surface Cleaner, Windex® Blue, Clorox® Bleach - 10%, Gentle dish soap and water
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, stacked, 2D and postal symbologies; limited OCR font reading
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 - 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)

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