XENON™ ULTRA 1960H

Healthcare Corded Handheld Scanner

As a leader in scanning technology, healthcare organizations have chosen Xenon scanners to help ensure clinicians are delivering fast, accurate and reliable patient care.

Patients are becoming savvier and are having higher expectations of what excellent patient care should be – and it goes far beyond an office visit or single hospital stay.

The Xenon Ultra for healthcare is a premium evolution of the widely known legacy Xenon and Xenon XP healthcare scanners, taking our enhanced scan performance and reliability one step further.

The Xenon Ultra 1960h incorporates Honeywell's next generation of scanning capability – allowing patient care to stay top priority for clinicians, helping improve retention of employees and helping lower the total cost of ownership for hospitals.



All healthcare models come with anti-microbial disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product.

FEATURES AND BENEFITS

The Xenon Ultra offers an improved design reducing the amount of nooks or crannies to aid in the reduction of lingering germs.

In addition to a green-dot aimer to visibly enhance targeting and improve scan accuracy, the newly engineered and innovative scan platform empowers snappy scanning operations.

Multiple operating modes are available to ensure maximum patient comfort while maintaining clinician productivity, such as Patient Do-Not Disturb, Vibration, and Scan Lamp.

Utilize the cable from your existing deployment of the Xenon XP 1950h on your new deployment of Xenon Ultra 1960.

The Honeywell Scanner Management Utility (SMU) creates a holistic solution that helps automate how you deploy and update the scanners in your environment.

Honeywell

Xenon Ultra 1960h Technical Specifications

MECHANICAL

Dimensions:
108.2 mm x 70.4 mm x 160.2 mm
(4.3 in x 2.8 in x 6.3 in)

Weight: 147.2 g (5.2 oz)

Input Voltage: 1960: 4.4V DC to 5.5V DC

Operating Power (Charging) Bases: 2.5W (500 mA @ 5V DC)

Host System Interfaces: USB, Keyboard Wedge, RS-232

User Indicators: Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume) Vibration (optional)

Object Detection: Configurable

3" default when placed in stand

6" with configuration change when placed in stand

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

Mil Spec Drop: 3.0 m (10 ft)

Drop (Multiple): 1.8 m (6 ft) to concrete across operating temp range

Tumble: 2,000 at 0.5 m (1.6 ft)

ESD (Scanners and Cradles: ±8 kV indirect coupling plane, ±15kV direct air

Environmental Sealing (Scanner): IP52

Light Levels: 0 to 100,000 lux

SCAN PERFORMANCE

Image Sensor: 1280 x 1080 pixel array

Motion Tolerance:
13 mil UPC at optimal focus

SR – 4 meters/second

HD – 4 meters/second

Imager Field of View:

SR/HD – Horizontal: 42°; Vertical: 36°

Print Contrast: As low as 15%

Minimum Element:
SR – 2.5mil (1D) / 5mil (2D)
HD – 2mil (1D) / 4mil (2D)

Roll, Pitch, Skew: ±360°, ±65°, ±65°

Decode Capabilities: Reads standard 1D, PDF, 2D, Postal Digimarc, DOT Code, and OCR symbologies
Note: Decode capabilities dependent on configuration

Illumination: White 2700K

LED aimer light source: 525 nm

Image Quality: 109 PPI on an A4 document

REGULATORY

EMC: EN55032, EN55035, EN61000-3-2,EN61000-3-3, FCC Part 15 Subpart B, ICES-003 Issue 7

Safety, Health and Environmental Compliance: EN62368-1, IEC 62368-1, IEC62471, IEC-63000 (ROHS), UL 62368-1, CSA C22.2 NO. 62368-1

WARRANTY

1960 (Corded): 5-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance

For a complete listing of all supported barcode symbologies, please visit www.honeywell.com/PSS-symbologies

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DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
NARROW WIDTH		
3 mil Code 39	34 mm – 174 mm (1.34 in – 6.85 in)	18mm – 174mm (0.71in – 6.84 in)
5 mil Code 39	23 mm – 311 mm (0.91 in – 12.24 in)	7mm – 295mm (0.29 in – 11.62 in)
10 mil Code 39	0 mm – 651 mm (0 in – 25.63 in)	0 mm – 548 mm (0 in – 21.57 in)
13 mil UPC	0 mm– 654 mm (0 in – 25.75 in)	0 mm – 502 mm (0 in - 19.77 in)
7.5 mil Code 128	6 mm – 367 mm (0.24 in – 14.45 in)	0 mm – 345 mm (0 in – 13.6 in)
15 mil Code 128	0 mm– 728 mm (0 in– 28.66 in)	0 mm – 563 mm (0 in – 22.17 in)
20 mil Code 39	4 mm – 1115 mm (0.16 in – 43.9 in)	4 mm – 814 mm (0.17 in – 32.07 in)
5 mil PDF417	45 mm – 176 mm (1.77 in – 6.93 in)	22 mm – 173 mm (0.86 in – 6.82 in)
6.7 mil PDF417	22 mm – 229 mm (0.87 in – 9.02 in)	8 mm – 237 mm (0.32 in – 9.32 in)
5 mil DM**	n/a	35 mm – 113 mm (1.39 in – 4.43 in)
7.5 mil DM**	34 mm – 188 mm (1.34 in – 7.4 in)	16 mm – 183 mm (0.62 in – 7.19 in)
10 mil DM**	12 mm – 273 mm (0.47 in – 10.75 in)	2 mm – 249 mm (0.76 in – 9.8 in)
10 mil QR	11 mm – 262 mm (0.43 in – 10.32 in)	1 mm – 230 mm (0.05 in – 9.07 in)
20 mil QR	0 mm – 495 mm (0 in – 19.49 in)	0 mm – 392 mm (0 in – 15.43 in)

* Performance may be impacted by barcode quality and environmental conditions.
** Data Matrix (DM)

Cerner VALIDATED

For more information

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