

# XENON™ ULTRA 1960h

## Healthcare Coded 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.



*Anti Microbial housing: The scanner's housing is created with silver-ion additives to improve its resilience to multiple cleanings and discourage the growth of germs and bacteria.*

## 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.

# 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

**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, ±kV 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 – 3.4 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

## WARRANTY

**1960 (Corded):** 5-year factory warranty

For a complete listing of all compliance  
approvals and certifications, please visit [www.honeywell.com/PSScompliance](http://www.honeywell.com/PSScompliance)

For a complete listing of all supported  
barcode symbologies, please visit  
[www.honeywell.com/PSS-symbologies](http://www.honeywell.com/PSS-symbologies)

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## DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
<b>NARROW WIDTH</b>		
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)

## For more information

[sps.honeywell.com](http://sps.honeywell.com)

## Honeywell Safety and Productivity Solutions

855 S Mint St

Charlotte, NC 28202

800-582-4263

[www.honeywell.com](http://www.honeywell.com)

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