

# XENON™ ULTRA 1960G

## Corded Handheld Scanner

Today's retailers consistently face increasing demands for a seamless and memorable customer service. In order to achieve the efficiency needed to create elevated customer experiences, retailers need a scanning solution that empowers associates to move through their workflows precisely and without impedance.

The Xenon Ultra for retail is a premium evolution of the widely known legacy Xenon and Xenon XP general purpose scanners, taking our industry-leading scan performance and reliability one step further.

The Xenon Ultra 1960g incorporates Honeywell's next generation of scanning capability – allowing retailers to stay productive and keep customer service as their top priority. With optional dual-camera extended range (XR) models, retailers can use the scanner for both up-close and extended, bottom-of-the-basket scanning.

Available in a cordless Bluetooth configuration which offers premium accessory upgrades such as interchangeable power sources, contactless charging and magnetic retention capabilities.



*Superior scanning performance, even on damaged and poor-quality barcodes, regardless of presentation, reduces wasted seconds from every retail transaction.*

## FEATURES AND BENEFITS



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.



The modern design exhibits an improved aesthetic, and the enhanced user experience and durability businesses depend on.



The flexible XR supports most scanning use cases in a single device without compromising range or speed, helping retailers get more done while managing fewer device types.



Utilize the cable from your existing deployment of the Xenon XP 1950g 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 1960g 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)

## 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

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

**Mil Spec Drop:** 3.0 m (10 ft)

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

**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:**

SR/XR – 4 m/sec

HD – 4 m/sec

**Imager Field of View:**

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

**Print Contrast:** As low as 15%

**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

**Object Detection: Configurable**

3" default when placed in stand

6" with configuration change when placed  
in stand

## 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)                  |
|----------------------|-------------------------------------|------------------------------------|
| NARROW WIDTH         |                                     |                                    |
| 3 mil Code 39        | 34 mm – 174 mm (1.34 in – 6.85 in)  | 18 mm – 174 mm (0.71 in – 6.84 in) |
| 5 mil Code 39        | 23 mm – 311 mm (0.91 in – 12.24 in) | 7 mm – 295 mm (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

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