

# XENON™ ULTRA 1960LI

## Corded Handheld Scanner

As barcodes become more complicated – smaller and denser – light manufacturers need a scanner they can rely on to provide fast and accurate barcode scanning on even the toughest codes.

The Xenon Ultra for light industrial applications is a premium evolution of the widely known legacy Xenon and Xenon XP general purpose scanners, taking enhanced scan performance and reliability one step further.

The Xenon Ultra 1960li incorporates Honeywell's next generation of scanning capability – allowing uptime and productivity to stay top priority for manufacturers, by capturing both paper and light direct part mark barcodes – even down to 2 mils.

The scanner is engineered to perform equally without sacrificing quality, whether it is deployed in its handheld trigger-mode or presentation mode. The Xenon Ultra's green dot LED aimer and improved software algorithms make it an ideal tool for light industrial applications.



*Honeywell's purpose-built scanner designed for electronic and light manufacturers who know that switching between general purpose and industrial scanners could lead to costly downtime.*

## 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.



An innovative illumination system enables scanning of most ultra high density mark – regardless of size, surface, marking method or contrast.



Reducing annoying false activation, illumination only on when needed. Enables Triggered presentation closing snappiness gap between point and shoot and hands-free modes of operation.



Redesigned housing enables full product gasketing reducing the chance of water and dust ingress.



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

# Xenon Ultra 1960li 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:

3.4 m/sec for 13 mil UPC at optimal focus

### Imager Field of View:

Horizontal 30°; Vertical 25°

**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

**Minimum Element:** 2mil (2D)

**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\*

#### NARROW WIDTH

2 mil Code 39	5 mm – 74 mm (0.19 in – 2.91 in)
3 mil Code 39	0 mm – 101 mm (0 in – 3.98 in)
5 mil Code 39	0 mm – 127 mm (0 in – 5 in)
10 mil Code 39	0 mm – 225 mm (0 in – 8.86 in)
13 mil UPC	26 mm – 198 mm (1.02 in – 7.8 in)
7.5 mil Code 128	0 mm – 130 mm (0 in – 5.12 in)
15 mil Code 128	24 mm – 222 mm (0.94 in – 8.74 in)
20 mil Code 39	32 mm – 360 mm (1.26 in – 14.17 in)
5 mil PDF417	11 mm – 96 mm (0.43 in – 3.78 in)
6.7 mil PDF417	4 mm – 113 mm (0.16 in – 4.45 in)
5 mil DM**	3 mm – 86 mm (0.12 in – 3.39 in)
7.5 mil DM**	0 mm – 110 mm (0 in – 4.33 in)
10 mil DM**	3 mm – 123 mm (0.12 in – 4.84 in)
4 mil QR	6 mm – 64 mm (0.24 in – 2.52 in)
10 mil QR	8 mm – 111 mm (0.31 in – 4.37 in)
20 mil QR	11 mm – 179 mm (0.43 in – 7.05 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)