XENON™ ULTRA 1960LI

RMSOMEGA TECHNOLOGIES

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.

Honeywell

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

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*	
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
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Xenon Ultra 1960li Data Sheet A4 | Rev B | 08/23
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