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.

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

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.

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

XenonUltra1960gTechnical 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)

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 – 3.4 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

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

Xenon is a trademark or registered trademark of Honeywell International Inc.in the United States and/or other countries.

All other trademarks are the property of their respective owners.

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
NARROWWIDTH		
3 mil Code39	34 mm–174 mm(1.34 in–6.85 in)	18 mm–174 mm(0.71 in–6.84 in)
5 mil Code39	23 mm–311 mm(0.91 in–12.24 in)	7 mm–295 mm(0.29 in–11.62 in)
10 mil Code39	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 Code128	6 mm- 367 mm(0.24 in- 14.45 in)	0 mm- 345 mm(0 in- 13.6 in)
15 mil Code128	0 mm–728 mm(0 in–28.66 in)	0 mm–563 mm(0 in–22.17 in)
20 mil Code39	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

Honeywell Safety and Productivity Solutions
855 S Mint St
Charlotte,NC 28202
800-582-4263
www.honeywell.com

© 2023 Honeywell International Inc.

Honeywell

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.

Honeywell

XenonUltra1960liTechnical 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

Xenon is a trademark or registered trademark of Honeywell International Inc.in the United States and/or other countries.

All other trademarks are the property of their respective owners.

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	
NARROWWIDTH	
2 mil Code39	5 mm–74 mm(0.19 in–2.91 in)
3 mil Code39	0 mm–101 mm(0 in–3.98 in)
5 mil Code39	0 mm–127 mm(0 in –5 in)
10 mil Code39	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 Code128	0 mm–130 mm(0 in–5.12 in)
15 mil Code128	24 mm- 222 mm(0.94 in- 8.74 in)
20 mil Code39	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 equality and environmental conditions.
** Data Matrix (DM)

For more information
sps.honeywell.com

Honeywell Safety and Productivity Solutions
855 S Mint St
Charlotte,NC 28202
800-582-4263
www.honeywell.com

Xenon Ultra 1960li Data Sheet LTR | RevB | 08/23
© 2023 Honeywell International Inc.

Honeywell