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

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

REGULATORY

EMC: EN55032, EN55035, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003 Issue 7

Safety, Health and Environmental Compliance: EN62368-1, IEC 62368-1, IEC62471, IEC-63000 (ROHS), UL 62368-1, CSA C22.2 NO. 62368-1

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*	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
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