XENON™ ULTRA 1962G

Cordless Bluetooth® Handheld Scanner

Continuing the legacy of barcode technology, Honeywell's Xenon Ultra delivers enhanced scan performance and premium features for retailers.



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

All models come with disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product. See Honeywell website for list of approved cleaners.

The Xenon Ultra 1962g incorporates Honeywell's next generation of scanning capability – allowing retailers to stay productive and keep customer service as their top priority.

Freedom of movement around POS terminals, conveyors, and customers is a continued challenge for today's retail associates. As more technology is packed into the streamlined modern-day POS station, free space is at a premium. The Xenon Ultra cordless scanner can help ensure that your associates' attention is kept on maximizing customer experience by eliminating wasted time managing cables and having more space for completing transactions.

One scanner can now accept multiple power sources. Available with a battery-free supercapacitor or standard lithium-ion battery, both power options are also available in contactless orientations.

The battery-free technology runs on supercapacitors instead of a battery and is capable of achieving a full charge in less than four minutes via the USB Port (under 60 seconds when using a powered USB port or external wall adapter). The Xenon Ultra 1962g-BF scanner typically provides at least 450 scans without recharging. This makes the scanner ideal for applications such as self-checkout or as a secondary scanner to a bioptic scanner.

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 Xenon Ultra 1962 battery and battery-free are available in a premium contactless version, helping reduce the number of failed devices due to corrosion.

Supercapacitors hold their charge for hours when fully charged. So operators who forget to place their scanner in the charger prior to break may not impact operations upon return.

The Xenon Ultra 1962 scanner can accept a lithium-ion battery or a battery-free supercapacitor, allowing enterprises to have mixed device pools and flexibility in their fleets.

Two independently configurable recharge alerts remind the operator to place the scanner back into the base for charging, ensuring continuous operation.

Honeywell

Xenon Ultra 1962g Technical Specifications

MECHANICAL

Dimensions (LxWxH):
- **Scanner:** 108.2 mm x 70.4 mm x 160.2 mm (4.3 in x 2.8 in x 6.3 in)
- **Presentation Base:** 82.9 mm x 90.4 mm x 121.6 mm (3.3 in x 3.6 in x 4.8 in)
- **Desktop/Wall Mount Base:** 211.3 mm x 74.2 mm x 77.7 mm (8.3 in x 2.9 in x 3.0 in)

Weight:
- **Lithium-ion Scanner:** 247 g / 255 g (contactless)
- **Battery Free Scanner:** 218 g /227 g (contactless)
- **Presentation Base:** 214 g / 220 g (contactless)
- **Desktop/Wall Mount Base:** 223 g / 229 g (contactless)

Operating Power (Charging) Bases: 2.5W (500 mA at 5 V DC) Standard USB 10W (2A at 5V DC) – when utilizing power adapter

Non-Charging Power (Bases): 0.75W (150 mA at 5V DC)

Host System Interfaces: USB, Keyboard Wedge, RS-232

ENVIRONMENTAL

Operating Temperature:
- **Scanner:** 0°C to 50°C (32°F to 122°F)
- **Bases:** Charging: 5°C to 35°C (41°F to 95°F)
- **Non-Charging:** 0°C to 50°C (32°F to 22°F)

Storage Temperature: -40°C to 70°C (-40°F to 158°F)

Humidity: 0 % to 95 % relative humidity, non-condensing

ESD (Scanners and Cradles): ±8 kV indirect coupling plane, ±15 kV direct air

Drop: Engineered to withstand 50 drops at 1.8 m (6 ft) to concrete across operating temp range

Mil Spec Drop: 8 ft

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

Environmental Sealing (Scanner): IP52

Environmental Sealing (CCB): IP41

Light Levels: 0 – 100,000 lux

SCAN PERFORMANCE

Image Sensor: 1280 x 1080 pixel array

Motion Tolerance: SR/HD – 4 meters/second

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 for 3 in or 6 in 1962 Cordless Scanner (refer to user's manual)

WIRELESS

Radio/Range: 2.4GHz Bluetooth radio v4.2 with Adaptive Frequency Hopping. Class 1: 100 m line of sight (default), programmable to Class 2: 10 m line of sight

BLE available

POWER OPTIONS

Specifications the same for Xenon Ultra 1962 Contact and Contactless models

Battery: (based on default settings)– data based on utilization of power adapter
- **Capacity:** 3300 mAh Li-ion (min)
- **Number of Scans (1scan/sec):** up to 80,000 scans per charge
- **Expected Duration of Operation:** 22 hrs
- **Expected Charge Time:** 4.5 hrs

Battery-free Supercapactior: (based on default settings) – data based on utilization of power adapter
- **Expected full charge time:** < 60 seconds
- **Number of scans fully charged:** 450
- **Charge Cycles:** 500,000

*Supports USB BC1.2 charge ports, up to 2x faster charge rate

User Indicators: Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Charge Status LED Indicators, Battery LED indicator, Find my scanner button

Disinfectant Ready Housing (DRH) on all 1962g models

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

FIPS: 140-3 (select skus)

Radio: FCC CFR Title 47 Part 15 Subpart C, RSS-Gen/RSS-247, EN 300 328

WARRANTY

1962 (cordless):
- **Scanner:** 3 year factory warranty
- **Supercapacitor:** 5 year factory warranty
- **Lithium-ion Battery Pack:** 1 year

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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Bluetooth is a trademark or registered trademark of Bluetooth SG, Inc.

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE	HIGH DENSITY
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)

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