XENON™ ULTRA 1962LI

RMSOMEGA TECHNOLOGIES

Cordless Bluetooth® 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 1962LI 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. The cordless nature of the Xenon Ultra 1962 scanner ensures that workers' attention is kept on maximizing productivity by eliminating wasted time managing cables.

Engineered to withstand 50 drops at 1.8 m (6 ft) and 2,000 tumbles at 0.5 m (1.6 ft), and with an IP52 ingress rating for water and dust, the Xenon Ultra 1962LI delivers stand out durability. This helps significantly reduce scanner downtime and service costs, supporting a longer lifecycle and helping lower total cost of ownership.

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

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.

FEATURES AND BENEFITS

Redesigned housing enables full product gasketing reducing the chance of water and dust ingress. Improved optional magnetic retention helps the scanner to stay securely connected to the CCB if deployed in kinetic conditions.

Added IR capabilities helps reduce annoying false activations, enabling illumination only on when needed. It also helps to reduce the snappiness gap between point and shoot and hands-free modes of operation.

Xenon Ultra for light industrial applications has an innovative illumination system enables scanning of most ultra high density mark – regardless of size, surface, marking method or contrast.

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.

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

Honeywell

Xenon Ultra 1962LI 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: 3.4 meters/second

Imager Field of View:
Horizontal: 28°; Vertical: 24°

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
Configurable for 3" or 6" 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 1962LI models

WARRANTY

1962 (cordless):

Scanner: 3 year factory warranty

Supercapacitor: 5 year factory warranty

Lithium-ion Battery Pack: 1 year

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

* Performance may be impacted by barcode quality and environmental conditions.
** Data Matrix (DM)

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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For more information
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