



Honeywell Xenon Ultra – Flexibilität für Retail, Lager und Industrie



Kabelgebunden oder kabellos – passend für jeden Arbeitsplatz

Vom Kassenplatz über Lager und Warenausgabe bis hin zu Fertigung und Qualitätssicherung.



Hohe Scanleistung auch bei schwierigen Barcodes

Erfassen beschädigte, schlecht gedruckte, kleine oder dichte Barcodes zuverlässig und schnell.



Robuste Bauweise für den professionellen Dauereinsatz

IP52-Schutz, hohe Sturzfestigkeit und langlebige Gehäuse unterstützen zuverlässige Abläufe im Arbeitsalltag.



Retail- und Industrievarianten für unterschiedliche Anforderungen

G-Modelle mit größerer Scanreichweite für Handel und POS, LI-Modelle für kleine, dichte Codes und leichte DPM-Anwendungen.



Akku oder Superkondensator für kabellose Modelle

Wahlweise mit Lithium-Ionen-Akku für bis zu 20.000 Scans oder Superkondensator mit Schnellladung.

Eigenschaften

Lesbare Codes: 1D, 2D, Post, OCR, leichte DPM-Anwendungen (LI-Modelle)

Leseabstand: Kontakt bis 1,1 m (G-Modelle)

Zielen: grüner LED-Zielpunkt

Feedback: LEDs, Beeper

Konnektivität: USB, Keyboard Wedge, RS-232 / Bluetooth

Zusätzliche Features: OCR

Akku (Bluetooth-Modelle): bis zu 80.000 Scans und 22 Stunden, optional: Superkondensator bis zu 450 Scans, kontaktloses Laden

Schutz: Scanner IP52, bis 1,8 m sturzfest

Betriebstemperatur: 0 bis 50 °C

Abmessungen: 108 x 70 x 160 mm

Gewicht: 147 - 255 g

Optionales Zubehör

Dockingstation

Dockingstation horizontal

Präsentationsständer

4-fach-Akku-Ladestation

Bluetooth Accesspoint

Akkus

Superkondensatoren

Netzteile

Datenkabel

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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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)
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)

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 122°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
symbolologies

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 Supercapacitor:

(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
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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)

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

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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of their respective owners.

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)

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 122°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
symbolologies

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 Supercapacitor:

(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

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

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 symbolologies, please visit
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DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	
NARROW WIDTH	
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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)