

# XENON EXTREME PERFORMANCE (XP) 1950g

Corded Area-Imaging Scanner

Delivering excellent customer service is your mission, and providing lasting impressions for your loyal customers driven by fast, accurate, and friendly checkout experiences is critical.

Empower your cashiers to deliver on your mission and commitment to provide excellent customer service experiences with the Honeywell Xenon™ Extreme Performance (XP) series. The Xenon XP 1950g scanner offers superior scan performance, easily capturing even the most difficult-to-read or damaged barcodes.

Engineered to 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 XP 1950g scanner delivers class-leading durability. This significantly reduces scanner downtime and service costs, leading to a longer lifecycle and a lower total cost of ownership.

Designed for retail environments that demand high-accuracy scanning, whether at a distance, or even on damaged barcodes, the Xenon XP 1950g scanner reduces strain on the associate – decreasing the need to bend to reach barcodes on the bottom shelf or bottom of the basket. The Xenon XP 1950g is available in Black or Lyric White models to match the scanner to your environment, and an available vibration mode ensures your associates get scanner feedback regardless of their surroundings.



*The Xenon XP 1950g scanner is purpose-built for retailers who know the costs of long checkout times: lost sales due to abandoned carts, and decreased customer loyalty and revenue over time.*

## DISINFECTANT-READY HOUSINGS – NEW!



Select models now available with disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product.

## FEATURES AND BENEFITS



Superior scanning performance, even on damaged and poor-quality barcodes, eliminates wasted seconds from every transaction.



Engineered to withstand 2,000 0.5 m (1.6 ft) tumbles and 50 1.8 m (6 ft) drops, the scanner brings class-leading durability and reliability to any environment.



The scanner is optimized for scanning both digital codes off customer smartphones and merchandise codes by the cashier at the register.



Honeywell Operational Intelligence software delivers on-demand scan insights, enabling higher employee productivity and throughput.



The Honeywell Scanner Management Utility (SMU) creates a holistic solution that automates how you deploy and update the scanners in your environment.

**Honeywell**

# Xenon Extreme Performance (XP) 1950g Technical Specifications

## MECHANICAL/ELECTRICAL

**Dimensions (L x W x H):** 99 mm x 64 mm x 165 mm (3.9 in x 2.5 in x 6.5 in)

**Scanner Weight:** 160 g (5.6 oz)

**Input Voltage:** 4.4V DC – 5.5V DC

**Operating Power (Charging) Bases:** 2.5W (500 mA @ 5V DC)

**Host System Interfaces:** USB, Keyboard Wedge, RS-232, RS485 support for TGCS (IBM) 46XX

**User Indicators:** Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Vibration (optional)

## 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)

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

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

**Tumble Spec:** 2,000 0.5 m (1.6 ft) tumbles (impacts)

**Drop:** Engineered to withstand 50 1.8 m (6 ft) drops to concrete

**Environmental Sealing:** IP52

**Light Levels:** 0 to 100,000 lux (9,290 foot-candles)

## SCAN PERFORMANCE

**Scan Pattern:** Area Image (1280 x 800 pixel array)

**Motion Tolerance:** Up to 400 cm/s (157 in/s) for 13 mil UPC at optimal focus

### Scan Angle

**SR:** Horizontal: 48°; Vertical: 30°

**HD:** Horizontal: 48°; Vertical: 30°

**Print Contrast:** 20% minimum reflectance difference

**Roll, Pitch, Skew:** ±360°, ±45°, ±65°

**Decode Capabilities:** Reads standard 1D, PDF, 2D, Postal Digimarc, DOT Code, and OCR symbologies

Note: Decode capabilities dependent on configuration

**Warranty:** 5-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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## DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
<b>NARROW WIDTH</b>		
3 mil Code 39	56 mm – 132 mm (2.2 in – 5.2 in)	27 mm – 131 mm (1.1 in – 5.1 in)
5 mil Code 39	28 mm – 242 mm (1.1 in – 9.5 in)	14 mm – 219 mm (0.6 in – 8.6 in)
10 mil Code 39	0 mm – 443 mm (0 in – 17.4 in)	0 mm – 389 mm (0 in – 15.3 in)
13 mil UPC	0 mm – 490 mm (0 in – 19.3 in)	0 mm – 368 mm (0 in – 14.5 in)
15 mil Code 128	0 mm – 543 mm (0 in – 21.4 in)	0 mm – 417 mm (0 in – 16.4 in)
20 mil Code 39	4 mm – 822 mm (0.1 in – 32.4 in)	6 mm – 604 mm (0.2 in – 23.8 in)
5 mil PDF417	54 mm – 160 mm (2.1 in – 6.3 in)	30 mm – 155 mm (1.2 in – 6.1 in)
6.7 mil PDF417	34 mm – 220 mm (1.4 in – 8.7 in)	17 mm – 211 mm (0.7 in – 8.3 in)
7.5 mil DM**	49 mm – 172 mm (1.9 in – 6.8 in)	27 mm – 160 mm (1 in – 6.3 in)
10 mil DM**	29 mm – 245 mm (1.1 in – 9.7 in)	12 mm – 211 mm (0.5 in – 8.3 in)
20 mil QR	0 mm – 438 mm (0 in – 17.2 in)	0 mm – 331 mm (0 in – 13 in)

\* Performance may be impacted by barcode quality and environmental conditions.

\*\* Data Matrix (DM)

## For more information

[www.honeywellaidc.com](http://www.honeywellaidc.com)

## Honeywell Safety and Productivity Solutions

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Xenon XP 1950g Data Sheet | Rev D | 08/20  
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**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

**Honeywell**

## Xenon Performance (XP) 1950h

### Corded Area-Imaging Scanner

The most successful and discerning healthcare providers choose Xenon™ scanners to ensure they are delivering more meaningful patient interactions and clinical outcomes. The new Xenon Performance (XP) 1950 series builds on the strong foundation of earlier Xenon healthcare scanners, continuing the tradition of industry-leading performance and reliability.

The Xenon XP 1950 series healthcare scanners ensure that healthcare professionals remain focused on the patient, making the process of patient ID verification quick and easy. Incorporating Honeywell's renowned imaging technology and a high-resolution imager, the Xenon XP 1950h scanner offers superior scan performance, easily capturing even the most difficult-to-read or damaged codes. This helps to eliminate wasted movements and lost time, improving healthcare worker productivity and throughput.

Engineered to 50 drops at 1.8 m (6 ft) and 2,000 tumbles at 0.5 m (1.6 ft), and with an IP41 ingress rating for water and dust, the Xenon XP 1950h scanner delivers class-leading reliability. This significantly reduces scanner downtime and service costs, leading to a longer lifecycle and a lower total cost of ownership.

Further prolonging its useful life and reducing TCO, the Xenon XP 1950h scanner is designed to survive repeated exposure to harsh disinfectant chemicals. With dependable, disinfectant-ready plastics, the scanner will handle your wipe-down procedures to deliver maximum protection from infectious bacteria.



*The Xenon XP 1950h scanner delivers premium performance and class-leading durability for increased clinician productivity and maximum uptime – improving patient outcomes and lowering TCO.*

## FEATURES & BENEFITS



Superior 1D and 2D scanning performance, even on damaged and poor-quality barcodes, eliminates wasted seconds from any scan.



The disinfectant-ready plastic housing protects your investment with a durable construction engineered to resist the harmful effects of the broadest range of harsh chemicals.



Multiple modes are available to ensure patient comfort while maintaining clinician productivity: Patient Do-Not-Disturb, Vibration, and Scan Lamp modes.



Honeywell Operational Intelligence software delivers on-demand scan insights, enabling higher healthcare worker productivity and throughput.



The Honeywell Scanner Management Utility (SMU) creates a holistic solution that automates how you deploy and update the scanners in your environment.

# Xenon Performance (XP) 1950h Technical Specifications

## MECHANICAL/ELECTRICAL

**Dimensions (L x W x H):** 99 mm x 64 mm x 165 mm (3.9 in x 2.5 in x 6.5 in)

**Scanner Weight:** 155 g (5.5 oz)

**Input Voltage:** 4.4V DC – 5.5V DC

**Operating Power (Charging) Bases:** 2.5W (500 mA @ 5V DC)

**Host System Interfaces:** USB, Keyboard Wedge, RS-232, RS485 support for TGCS (IBM) 46XX

**User Indicators:** Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Vibration (optional)

## 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)

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

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

**Tumble Spec:** 2,000 0.5 m (1.6 ft) tumbles (impacts)

**Drop:** Engineered to withstand 50 1.8 m (6 ft) drops to concrete

**Environmental Sealing:** IP41

**Light Levels:** 0 to 100,000 lux (9,290 foot-candles)

## DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
<b>NARROW WIDTH</b>		
3 mil Code 39	57 mm – 141 mm (2.2 in – 5.6 in)	29 mm – 138 mm (1.1 in – 5.4 in)
5 mil Code 39	28 mm – 253 mm (1.1 in – 10 in)	16 mm – 219 mm (0.6 in – 8.6 in)
10 mil Code 39	0 mm – 473 mm (0 in – 18.6 in)	0 mm – 371 mm (0 in – 14.6 in)
13 mil UPC	0 mm – 495 mm (0 in – 19.5 in)	0 mm – 366 mm (0 in – 14.4 in)
15 mil Code 128	0 mm – 557 mm (0 in – 21.9 in)	0 mm – 423 mm (0 in – 16.7 in)
20 mil Code 39	3 mm – 829 mm (0.1 in – 32.6 in)	4 mm – 620 mm (0.2 in – 24.4 in)
5 mil PDF417	54 mm – 160 mm (2.1 in – 6.3 in)	31 mm – 157 mm (1.2 in – 6.2 in)
6.7 mil PDF417	34 mm – 221 mm (1.3 in – 8.7 in)	16 mm – 212 mm (0.6 in – 8.3 in)
7.5 mil DM**	50 mm – 182 mm (2 in – 7.2 in)	28 mm – 169 mm (1.1 in – 6.7 in)
10 mil DM**	27 mm – 249 mm (1.1 in – 9.8 in)	11 mm – 214 mm (0.4 in – 8.4 in)
20 mil QR	0 mm – 453 mm (0 in – 17.8 in)	0 mm – 328 mm (0 in – 12.9 in)

\* Performance may be impacted by barcode quality and environmental conditions.

\*\* Data Matrix (DM)

## SCAN PERFORMANCE

**Scan Pattern:** Area Image (1280 x 800 pixel array)

**Motion Tolerance:** Up to 400 cm/s (157 in/s) for 13 mil UPC at optimal focus

### Scan Angle

**SR:** Horizontal: 48°; Vertical: 30°

**HD:** Horizontal: 48°; Vertical: 30°

**Print Contrast:** 20% minimum reflectance difference

**Roll, Pitch, Skew:** ±360°, ±45°, ±65°

**Decode Capabilities:** Reads standard 1D, PDF, 2D, Postal Digimarc, DOT Code, and OCR symbologies

Note: Decode capabilities dependent on configuration

**Warranty:** 5-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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