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.

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Xenon Extreme Performance (XP) 1950g Technical Specifications

MECHANICAL/ELECTRICAL

Dimensions (L x W x H): 104.1 mm x 71.1 mm x 160 mm (4.1 in x 2.8 in x 6.3 in)

Scanner Weight: 147.42 g (5.2 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 (Minimum)

SR: Horizontal: 42°; Vertical: 27°

HD: Horizontal: 42°; Vertical: 27°

UD: Horizontal: 40° ; Vertical: 26°

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.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

For a full listing of warranty services, please visit sps.honeywell.com/us/en/services/productivity/support-services

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DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)	ULTRA HIGH DENSITY (UD)***
NARROW WIDTH			
2 mil Code 39	n/a	n/a	20 mm - 60 mm (0.8 in - 2.4 in)
3 mil Code 39	56 mm – 132 mm (2.2 in – 5.2 in)	27 mm – 131 mm (1.1 in – 5.2 in)	5 mm - 90 mm (0.2 in - 3.5 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)	5 mm - 115 mm (0.2 in - 4.5 in)
10 mil Code 39	0 mm – 443 mm (0 in – 17.4 in)	0 mm – 389 mm (0 in – 15.3 in)	0 mm - 205 mm (0 in - 8.1 in)
13 mil UPC	0 mm – 490 mm (0 in – 19.3 in)	0 mm – 368 mm (0 in – 14.5 in)	0 mm - 190 mm (0 in - 7.5 in)
7.5 mil Code 128	25 mm - 295 mm (0.9 in - 11.6 in)	5 mm - 260 mm (0.2 in - 10.2 in)	0 mm - 120 mm (0 in - 4.7 in)
15 mil Code 128	0 mm – 543 mm (0 in – 21.4 in)	0 mm – 417 mm (0 in – 16.4 in)	0 mm - 200 mm (0 in - 7.9 in)
20 mil Code 39	4 mm – 822 mm (0.2 in – 32.4 in)	6 mm – 604 mm (0.2 in – 23.8 in)	5 mm - 340 mm (0.2 in - 13.4 in)
5 mil PDF417	54 mm – 160 mm (2.1 in – 6.3 in)	30 mm – 155 mm (1.2 in – 6.1 in)	5 mm - 85 mm (0.2 in - 3.3 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)	0 mm - 100 mm (0 in - 3.9 in)
5 mil DM**	n/a	45 mm - 100 mm (1.8 in - 3.9 in)	15 mm - 70 mm (0.6 in - 2.8 in)
7.5 mil DM**	49 mm – 172 mm (1.9 in – 6.8 in)	27 mm – 160 mm (1.0 in – 6.3 in)	10 mm - 90 mm (0.4 in - 3.5 in)
10 mil DM**	29 mm – 245 mm (1.1 in – 9.7 in)	12 mm – 211 mm (0.5 in – 8.3 in)	5 mm - 105 mm (0.2 in - 4.1 in)
4 mil QR	n/a	n/a	25 mm - 55 mm (1.0 in - 2.2 in)
10 mil QR	35 mm - 250 mm (1.4 in - 9.8 in)	10 mm - 185 mm (0.4 in - 7.3 in)	0 mm - 105 mm (0 in - 4.1 in)
20 mil QR	0 mm – 438 mm (0 in – 17.2 in)	0 mm – 331 mm (0 in – 13.0 in)	0 mm - 160 mm (0 in - 6.3 in)

* Performance may be impacted by barcode quality and environmental conditions.
** Data Matrix (DM)
*** Best ability to decode small barcode.

For more information
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