



GENERAL PURPOSE HANDHELD

Xenon XP 1952g Battery-Free Scanner

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Overview



The Honeywell Xenon™ Extreme Performance (XP) 1952g-bf area-imager scanner is Honeywell's latest barcode scanner powered by supercapacitors – eliminating the battery for a green, environmentally friendly scanner. This powerhouse solution is capable of scanning over 450 barcodes on a single charge, and can be recharged in less than 60 seconds via a powered USB port.

- When fully charged, the scanner can typically scan over 450 UPC/EAN codes without the need for recharging – more than enough to check out 25 customers.
- Supercapacitors hold their charge for hours when fully charged. So operators who forget to place their scanner in the charger prior to break won't impact operations upon return.
- Two independently configurable recharge alerts remind the operator to place the scanner back into the base for charging, ensuring continuous operation.
- The Xenon XP 1952g-bf scanner is fully charged in under two minutes with a simple USB connection, and under 30 seconds when a powered USB or external power supply is used.
- When the scanner is placed in the base, the ready-to-scan LED typically flashes in less than 20 seconds to notify the operator that there is sufficient power to support over 100 scans

The Honeywell Xenon™ Extreme Performance (XP) 1952g-bf area-imager scanner incorporates the latest in battery-free technology, offering the freedom of Bluetooth® low-energy wireless technology without the maintenance hassles or long recharge time associated with traditional batteries. Like all other Xenon scanners, the Xenon XP 1952g-bf scanner delivers aggressive barcode scanning performance – even on poor-quality or damaged barcodes. An integrated Bluetooth low-energy Class 2 radio gives users complete freedom of movement up to 10 meters (33 feet) from the base in a typical work environment. For added convenience, a paging system on the base activates auditory signals that help to locate a misplaced scanner. By eliminating the trip-hazard of tethered cables, the Xenon XP 1952g-bf scanner can provide a safer and more productive environment.

The scanner's wireless technology completely eliminates the battery, replacing it with supercapacitors capable of achieving a full charge in less than two minutes via the USB port (under 30 seconds when using a powered USB port or external wall adapter) and typically providing at least 450 scans on UPC/EAN codes without recharging. This makes the Xenon XP 1952g-bf scanner ideal for applications centered around POS, workstations, and counters – for example, as the secondary scanner to a bioptic (in-counter) scanner, or in support of shipping and receiving functions at warehouses. With no battery, a common maintenance hassle is removed and the scanner is lighter and more environmentally friendly. Built on the proven Xenon platform, the Xenon XP 1952g-bf scanner offers high-performance linear barcode scanning and the convenience of wireless – all without a battery.

Specifications

DIMENSIONS

Overall Dimensions

- 104 mm x 71 mm x 160 mm
- 4.1 in x 2.8 in x 6.3 in

SCANNING SPECIFICATIONS

Decode Capability

- 1D/2D

Scan Pattern

- Area ImageNEWLINE(1280 x 800 pixel array)

Pitch

- $\pm 45^\circ$

Print Contrast

- 20% minimum reflectance difference

Motion Tolerance

- Up to 400 cm/s (157 in/s) for 13 mil UPC at optimal focus

Skew

- $\pm 65^\circ$

Scanning Range

- High density (HD)
- Standard range (SR)

Brightness

- 0 to 100,000 lux
- 9,290 ft-candles

Number of Scans

- Typically more than 490 scans

NETWORK

Bluetooth

- Yes

Bluetooth Specifications

- 2.4 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v4.2

HARDWARE

Wireless

- Class 2: 10 m (33 ft) line of sight

Host System Interface

- IBM 46xx (RS485)
- Keyboard Wedge

- RS-232
- USB

ELECTRICAL

Standby Power

- 0.5W (0.1A @ 5V)

ENVIRONMENTAL

Operating Humidity

- 0 to 95% relative humidity, non-condensing

Storage Temperature Range

- -40°C to 70°C
- -40°F to 158°F

STANDARDS & APPROVALS

Drop Specifications

- Designed to withstand 50 1.8 m (6 ft) drops to concrete

Protection Ratings

- IP52

OTHERS

Operating Power

- 5W (1A @ 5V)

Operating temperature

- 0°C to 50°C
- 32°F to 122°F

Warranty Duration

- Three-year factory warranty

Brand

- Honeywell

Power Connector Type

- Cordless

Honeywell

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