Honeywell
THE POWER OF CONNECTED | Scanners

Solaris 7980GEL

Area-Imaging Vertical Slot Scanner

For retailers looking to elevate checkout throughput, improve the customer experience and better execute mobile marketing programs, the Honeywell Solaris™ 7980GEL vertical slot scanner is up to the task. With its compact, modern design and powerful imaging capabilities, the Solaris 7980GEL scanner fits easily into existing enclosures used in high-volume retail checkout environments such as convenience, drug, specialty, liquor and grocery stores.

Incorporating Honeywell Adaptus™ 6.0 area-imaging technology, the Solaris 7980GEL scanner delivers exceptional scanning performance on 1D and 2D barcodes and can even read smartphone screens, digital wallets and printed identification cards. Omnidirectional scanning capability – along with an extended depth of field and advanced decoding software – allows cashiers to scan virtually all barcodes on the first pass, with minimal concern for orientation or barcode print quality.

Installing the Solaris 7980GEL scanner into existing checkout systems is easy. Multiple on-board interfaces make the Solaris 7980GEL scanner compatible with most POS systems, and automatic interface detection speeds up installation. The Solaris 7980GEL scanner further simplifies integration by drawing power directly through USB, eliminating the need for an additional power supply and cabling.

The Solaris 7980GEL area-imaging scanner can read smartphone coupons, digital wallets and identification cards with ease.

FEATURES & BENEFITS

Available with powerful 2D imaging capable of reading digital coupons off smartphone screens, and printed ID cards.

Soft, white LED illumination eliminates glare without compromising performance.

Simple to install, with power-over-USB.

Solaris 7980GEL Technical Specifications

MECHANICAL

Dimensions (H x W x D)**:** 148 mm x 152 mm x 85 mm (5.83 in x 5.98 in x 3.35 in)
Weight: 527g (18.6 oz)

ELECTRICAL

Scanner Unit (not including auxiliary scanner):
- **Input Voltage:** 5.0 V to 5.2 V
- **Operating Current:** 400 mA
- **Standby Current:** 270 mA
- **Sleep Mode Current:** 210 mA

Power Supply (sold separately):
- **Input Voltage:** 100 V – 240 V/50 Hz – 60 Hz
- **Output Current:** 5.2 V / 1.0 A

Host System Interfaces: USB, Keyboard Wedge, RS-232, IBM 46xx (RS485)

ENVIRONMENTAL

Operating Temperature: 0°C to 40°C (32°F to 104°F)
Storage Temperature: -20°C to 60°C (-4°F to 140°F)
Humidity: 5% to 95% relative humidity, non-condensing
IP Rating: IP5X
Light Levels: 100,000 lux

SCAN PERFORMANCE

Scan Pattern: Area image (1280 x 960 pixel array)
Motion Tolerance: 3.0 m/s (118 in/s) for UPC 13 mil at optimal focal point
Scan Angle:
- **Horizontal:** 42°
- **Vertical:** 34°

Print Contrast: 25% minimum reflectance difference
Pitch, Skew: +/-65°, +/-75°
Decode Capability:
Reads standard 1D, PDF, 2D, Postal and OCR symbologies
Note: Decode capabilities dependent on kit configuration
Warranty: 3-year factory warranty

TYPICAL PERFORMANCE

NARROW WIDTH	DEPTH OF FIELD
5.0 mil (Code 39)	10 mm – 140 mm (0.4 in – 5.5 in)
13.0 mil (UPC-A)	0 mm – 270 mm (0 in – 10.6 in)
20.0 mil (Code 39)	0 mm – 300 mm (0 in – 11.8 in)
6.7 mil (PDF417)	20 mm – 140 mm (0.8 in – 5.5 in)
20.0 mil (DM)	15 mm – 190 mm (0.6 in – 7.5 in)
20.0 mil (QR)	0 mm – 190 mm (0 in – 7.5 in)
Resolution	1D (Code 39): 3 mil 2D (DM): 8.3 mil

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 more information
www.honeywellaidc.com

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