Solaris 7980g

Area-Imaging Vertical Slot Scanner

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

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

For retailers that anticipate the need to read 2D codes in the future, but do not need this capability today, the 7980g can also be purchased as an omnidirectional 1D scanner with the capability to be affordably upgraded to a full 2D area-imager at any point in the future. Now, it's no longer necessary to purchase new scanners when your data capture needs evolve; the Solaris 7980g grows with your business.



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

Installing 7980g into an existing checkout systems is easy. Multiple on-board interfaces make the 7980g compatible with most POS systems, and automatic interface detection speeds up installation. A handheld scanner can be connected via a multi-function USB auxiliary port, providing a single point of communication. The 7980g further simplifies integration by drawing power directly through USB, eliminating the need for an additional power supply and cabling.

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
- Purchase the 7980g as a linear scanner, and upgrade it to a full area-imaging 2D scanner in the future–as your data capture needs evolve
- Simple to install, with integrated EAS, power-over-USB, and an auxiliary USB port for scanner connectivity
- Easy to use, with a capacitive touch button and intuitive LED indicators that face the user

Solaris 7980g Technical Specifications

MECHANICAL
Dimensions (H x W x D): 148 x 152 x 85 mm (5.83 x 5.98 x 3.35 in)
Weight: 539g (19 oz.)

ELECTRICAL
Scanner Unit (not including auxiliary scanner)**:**
Input Voltage: 5.0 to 5.2 V
Operating Current: 400mA
Standby Current: 270mA
Sleep Mode Current: 210mA
Power Supply:
Input Voltage: 100 - 240V/50 - 60HZ
Output Current: 5.2V / 1.0 A
Host System Interfaces: USB, Keyboard Wedge, RS232, IBM 46xx (RS485)
Auxiliary Ports: USB: Secondary Scanner
EAS Features:
Checkpoint Systems: Integrated RF EAS Antenna
Sensormatic: Good Read Acknowledgement

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 13mil 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" - 5.5")
13.0 mil (UPC-A)	0 mm - 270 mm (0" - 10.6")
20.0 mil (Code 39)	0 mm - 300 mm (0" - 11.8")
6.7 mil (PDF417)	20 mm - 140 mm (0.8" – 5.5")
20.0 mil (DM)	15 mm - 190 mm (0.6" – 7.5")
20.0 mil (QR)	0 mm - 190 mm (0" - 7.5")
Resolution	1D (Code 39): 3 mil 2D (DM): 8.3mil

*Performance may be impacted by bar code quality and environmental conditions

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**.

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