SOLARIS™ XP 7990G

Area-Imaging Vertical Slot Scanner

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The Solaris XP 7990G vertical slot scanner leverages Honeywell's XP platform for high throughput presentation scanning.



Solaris XP 7990G Vertical Slot Scanner offers faster scanning and premium performance

ABOUT THE SOLARIS XP 7990G

With a compact, modern design, and powerful imaging capabilities built on Honeywell's extreme performance (XP) platform, the Solaris 7990g fits easily into existing enclosures used in high-volume retail checkout environments such as convenience, drug, specialty, liquor and grocery stores. The Solaris XP features 20% faster scanning speed, up to 5 m/s motion tolerance, and a wider field of view than previous Solaris models. Honeywell's field proven XP technology handles poorly printed and damaged barcodes with ease. The Solaris XP is backwards compatible with previous models, making upgrades fast and simple.

FEATURES AND BENEFITS

Industry leading performance - Solaris XP outperforms on snappiness and motion tolerance.

Flexible configuration – Comes with full housing as well as housing-free version for integrated applications. Auxiliary ports keep the Solaris XP connected for bottom of the basket scanning.

Backwards Compatible – Rip-and-replace upgrades for existing customers, the Solaris XP is completely backwards compatible with legacy Solaris models.

Honeywell

Solaris XP 7990g 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: IP53

Light Levels: 100,000 lux

SCAN PERFORMANCE

Scan Pattern: Area image (1280 x 960 pixel array)

Motion Tolerance: 6.0 m/s for UPC 13 mil at optimal focal point

Scan Angle:

- **Horizontal:** 42°
- **Vertical:** 34°

Print Contrast: 20% 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

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

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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For more information
sps.honeywell.com

Honeywell Safety and Productivity Solutions
855 S Mint St
Charlotte, NC 28202
800-582-4263
www.honeywell.com

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