Genesis 7580

Area-Imaging Scanner

Honeywell's Genesis™ 7580, the world's first presentation area-imaging scanner engineered to decode all standard 1D, PDF and 2D codes, provides enhanced productivity and revolutionary imaging technology in an elegant, yet durable design.

The 7580 is redefining industry standards for imaging solutions. Breakthrough performance and a versatile form factor make this product suitable for environments ranging from manufacturing to healthcare to retail POS.

Patented CodeGate® technology along with an activation button support menu-scanning and other targeted-scanning applications.

Unlike other scanners with multiple on-board interfaces, the 7580 has four dedicated memory banks—each one capable of storing full configuration settings for RS232, keyboard wedge, USB and 46xx RS485 interfaces.

Automatic cable detection and configuration simplifies migration to a new interface by eliminating the need to scan programming bar codes. Three additional patented technologies augment the 7580's unmatched feature set:

Shielded LEDs minimize the intense flashing common among other area imagers.

CodeSelect™ allows the 7580 to capture up to seven bar codes in a single flash and output data in any predetermined order.

TotalFreedom® expands scanner funtionality by allowing formatting, parsing and decoding plug-ins to be loaded directly to the 7580 instead of the host system.

Features

- **Motion Tolerance:** Aggressively reads bar codes passing by the scan window
- **Multiple On-Board Interfaces:** Reduces overall system cost
- **TotalFreedom:** Load image processing, decoding and formatting plug-ins directly on the scanner instead of the host system
- **Image Capture:** Improves document management by capturing and storing electronic images, including coupons, personal checks, signatures and damaged packages

- **Mobile Phone Reading:** Excels at scanning coupons and mobile tickets directly from the screen of a mobile device
- **Flexible Licensing Solution:** Meets diverse scanning requirements by offering models with limited decoding capabilities—purchase decoding licenses to enable additional functionality as the need arises
- **CodeSelect:** Scans up to 7 bar codes in a single flash and outputs data in any predetermined order
- **Optional EAS:** Increases efficiency by simultaneously deactivating EAS tags and decoding bar codes from up to 7 inches away

Genesis 7580 Technical Specifications

Mechanical	
Dimensions (LxWxH)	80 mm x 83 mm x 150 mm (3.2˝ x 3.3˝ x 5.9˝)
Weight	340 g (12 oz)

Electrical	
Input Voltage	12 VDC ± 0.25 V
Operating Power	2.0 W (167 mA @ 12 V)
Standby Power	1.3 W (109 mA @ 12 V)
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)
Auxiliary Ports	EAS with interlock (EAS model)

Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	0% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5´) drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	100,000 Lux

Scan Performance	
Scan Pattern	Area Image (832 x 504 pixel array)
Motion Tolerance	200 cm/s (78 in/s) for 13 mil UPC at optimal focus
Scan Angle	Horizontal: 46°; Vertical: 28°
Print Contrast	20% minimum reflectance difference
Pitch, Skew	70°, 75°
Decode Capability	Reads standard 1D, PDF, 2D, Postal and OCR symbologies *Note: Decode capabilities dependent on kit configuration
Warranty	2 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 bar code symbologies, please visit www.honeywellaidc.com/symbologies

Typical Performance*	
Narrow Width	Depth of Field
5.0 mil (1D)	10 mm - 80 mm (0.4˝ - 3.1˝)
7.5 mil (1D)	10 mm - 125 mm (0.4˝ - 4.9˝)
10.4 mil (1D)	0 mm - 130 mm (0˝ - 5.1˝)
13 mil (1D)	0 mm - 158 mm (0˝ - 6.2˝)
10.0 mil (PDF)	10 mm - 145 mm (0.4˝ - 5.7˝)
15.0 mil (DM)	10 mm - 135 mm (0.4˝ - 5.3˝)

*Resolution: 1D: 4 mil (0.102 mm)
2D: 7.5 mil (0.19 mm)
*Performance may be impacted by bar code quality and environmental conditions

For more information:

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Honeywell

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  - Hardware disposal
  - Auditing services

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