

# Genesis 7580g

## Area-Imaging Scanner

Honeywell's Genesis™ 7580g, 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.

Powered by Adaptus® Imaging Technology 6.0, the Genesis 7580g 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. Aggressive reading of bar codes on highly reflective surfaces, such as mobile phone screens, eliminates the need to purchase additional specialty hardware.

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

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 Genesis 7580g's unmatched feature set:

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

CodeSelect™ allows the Genesis 7580g to capture up to 15 bar codes in a single flash and output data in any predetermined order.

TotalFreedom® expands scanner functionality by allowing decoding and formatting plug-ins to be loaded directly onto the Genesis 7580g, enabling enterprises to rapidly support proprietary or newly-developed symbologies.



## Features

- **Mobile Phone Reading:** Excels at scanning coupons and mobile tickets directly from the screen of a mobile device
- **Stylish Design:** Instantly dresses up front end operation
- **TotalFreedom 2.0:** Second-generation plug-in development platform enables the loading and linking of multiple applications directly onto the scanner, eliminating the need for host system modifications while offering expanded decoding and data formatting functionality
- **Image Capture:** Improves document management by capturing and storing electronic images, including coupons, personal checks, signatures and damaged packages
- **Flexible Licensing Solution:** Allows current scanning needs to be met while protecting the option to upgrade scanning capabilities in the future by simply purchasing a license for the appropriate feature
- **Remote MasterMind™ Scanner Management Software:** Provides a quick and convenient solution for IT administrators seeking to manage all scanners within their network from a single remote location
- **Optional EAS:** Increases efficiency by simultaneously deactivating EAS tags and decoding bar codes from up to 7 inches away

# Genesis 7580g 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	5.5 VDC $\pm$ 0.25 V
Operating Power	2.0 W (400 mA @ 5 V)
Standby Power	0.5 W (100 mA @ 5 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](http://www.honeywellaidc.com/compliance)  
For a complete listing of all supported bar code symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies)



**For more information:**  
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Typical Performance*	
Narrow Width	Depth of Field
5.0 mil (1D)	10 mm - 80 mm (0.4" - 3.1")
7.5 mil (1D)	5 mm - 120 mm (0.2" - 4.7")
10 mil (1D)	0 mm - 165 mm (0" - 6.5")
13 mil (1D)	0 mm - 180 mm (0" - 7.1")
10.0 mil (PDF)	0 mm - 150 mm (0" - 5.9")
20 mil (DM)	2 mm - 190 mm (0.1" - 7.5")
*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	

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