

# Product Update Notice

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PUN #10-21  
October 25, 2010

## Genesis 7580 Updates

The Genesis™ 7580 area-imaging presentation scanner has been modified to use Honeywell's Generation 6 image sensor. The new sensor will replace the current Genesis image sensor which has been discontinued. The new version of the scanner can be identified in two ways:

1. The revision of the scanner has been updated to revision "C" on the serial label.

### Honeywell International Inc.

Model: MS7580 August 2010 (C) 124

Complies with FCC and ICES-003.

Class B. See Manual.

Made in China

SN #: 0J 08 02 0001



12V =



94J8

I.T.E.



2. The color of the scanner housing has been changed to improve the aesthetic appeal and to allow the new version of the scanner to be easily identified.

Original Genesis



Revision C Genesis



### Key Enhancements:

In addition to the changes described above, the revision C Genesis scanner includes the following enhancements:

- Honeywell Scanning & Mobility's sixth generation image sensor – We replaced the end of life sensor with Honeywell's custom solution. This delivers greater scanner performance and responsiveness.
- New settings and features –
  - 2D bar code symbologies enabled by default – Enabling regularly used 2D settings gives our customers a common default setting experience for all HSM imaging scanners
  - Enhanced object detection – New default functionality improves object detection performance, especially when there are other objects in the scanner's field of view.
  - RS485 interface has been removed from the scanner – helps to simplify configuration management by reducing the number of active interfaces on each scanner, customer's requiring RS485 support can use our interface converter cable (MX-RS485-5S006-3).

**Availability:**

The revision C Genesis will become available upon depletion of existing inventory – tentatively November 15, 2010.

**Contact:**

Honeywell Scanning & Mobility is committed to providing you with a superior level of customer service. Please contact your Honeywell representative for additional information regarding this communication and visit us online at [www.honeywellaidc.com](http://www.honeywellaidc.com).

**For more information:**

[www.honeywellaidc.com](http://www.honeywellaidc.com)

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The Honeywell logo is displayed in a bold, red, sans-serif font.

# 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 functionality 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 $\pm$ 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](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:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

### Honeywell Scanning & Mobility

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7580-DS Rev A 10/10  
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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)	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	

# Honeywell