MS7580 Genesis

Area-Imaging Scanner

Honeywell's MS7580 Genesis™, 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 MS7580 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 Code*Gate*® technology along with an activation button support menu-scanning and other targeted-scanning applications.

Unlike other scanners with multiple on-board interfaces, the MS7580 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 MS7580's unmatched feature set:

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

Code*Select*™ allows the MS7580 to capture up to seven bar codes in a single flash and output data in any predetermined order.

Total*Freedom*™ expands scanner funtionality by allowing formatting, parsing and decoding plug-ins to be loaded directly to the MS7580 instead of the host system.

For more information on the MS7580 Genesis area-imaging scanner, please visit www.honeywell.com/aidc

Features

- **Motion Tolerance:** Aggressively reads bar codes passing by the scan window

- **Multiple On-Board Interfaces:** Reduces overall system cost

- **Total*Freedom*:** Expands scanner functionality by allowing image processing, decoding and formatting plug-ins to be loaded directly to 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

- **Code*Select*:** Scans up to 7 bar codes in a single flash and outputs data in any predetermined order

MS7580 Genesis Technical Specifications

Operational

Light Source	Visible Laser Diode 645 nm ± 7.5 nm
Audible Indicators	7 tones or no beep
Visual Indicators	Blue = ready to scan; White = good read
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)
Auxiliary Ports	EAS with interlock (EAS model)

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	2.3 W (192 mA @ 12 V) - typical
Standby Power	1.7 W (142 mA @ 12 V) - typical
DC Transformers	Class 2: 12 VDC @ 1.25 A
LED Class	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class B

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 (9,290 foot-candles)

Scan Performance

Scan Pattern	Area
Sensor Resolution	1.3 megapixel
Motion Tolerance	200 cm/s (78 in/s) for 13 mil UPC @ 10 cm (4´) distance
Scan Angle	Horizontal: 46°; Vertical: 28°
Print Contrast	20% minimum reflectance difference
Tilt, Pitch, Skew	360°, 70°, 75°
Decode Capability	**1D:** Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic ***PDF**: PDF417, MicroPDF417 ***2D**: QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode, Codablock, Composite Code, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail RM4SCC, KIX Code ***OCR**: OCR-A, OCR-B, E-13B MICR ***Note:*** *Decode capabilities dependent on kit configuration*

RoHS | CE | cULus LISTED | ISO 9001:2000

For more information:

www.honeywell.com/aidc

Typical Performance*

Narrow Width	Depth of Field
5.2 mil (1D)	40 mm - 80 mm (1.6˝ - 3.1˝)
7.5 mil (1D)	30 mm - 120 mm (1.2˝ - 4.7˝)
10.4 mil (1D)	20 mm - 140 mm (0.8˝ - 5.5˝)
13 mil (1D)	0 mm - 152 mm (0˝ - 6.0˝)
10.0 mil (PDF)	0 mm - 120 mm (0˝ - 4.7˝)
15.0 mil (PDF)	30 mm - 120 mm (1.2˝ - 4.7˝)

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

Wall mount
MLPN 46-00913

Honeywell