



## MS7580 Genesis™

**Metrologic's MS7580 Genesis™, the world's first presentation area imager engineered to decode all standard 1D, PDF and 2D codes, provides enhanced productivity and revolutionary imaging technology in an elegant, yet durable design.**

Metrologic's MS7580 Genesis is destined to redefine 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 a centrally-located 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:

FirstFlash™ technology along with 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 outputs data in any predetermined order.

TotalFreedom™ offers unlimited possibilities for developing value-added custom application modules embedded directly into the MS7580 instead of the host system.

[www.metrologic.com/MS7580](http://www.metrologic.com/MS7580)

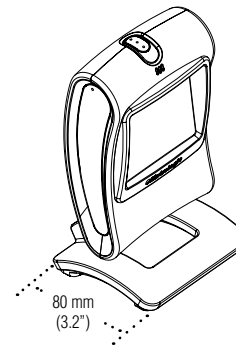
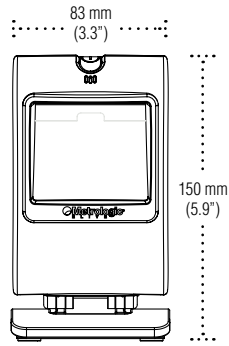


### Features

- Motion Tolerance
- Multiple On-Board Interfaces
- TotalFreedom™ Open-System Architecture
- FirstFlash®
- CodeSelect™

### Benefits

- Aggressively reads bar codes passing by the scan window
- Reduces overall system cost
- Simplifies installation by loading custom application modules directly to imager instead of host
- Increases productivity by scanning all standard bar codes on first LED flash
- Scans up to 7 bar codes in one scan and outputs data in any pre-determined order



## OPERATIONAL

|                   |  |
|-------------------|--|
| Light Source      | LED 645 nm + 7.5 nm  |
| Decode Capability | Autodiscriminates all standard 1-D, GS1, PDF417, microPDF, MaxiCode, Data Matrix, QR Code, UCC, EAN Composites, Postals, Aztec |
| System Interfaces | PC Keyboard Wedge, RS232, 46xx RS485, USB  |
| Beeper Operation  | 7 tones or no beep   |
| Indicators (LED)  | Blue unit powered, ready to scan; White = good read  |

## MECHANICAL

|             |                                |
|-------------|--------------------------------|
| Height      | 150 mm (5.9")                  |
| Depth       | 80 mm (3.2")                   |
| Width       | 83 mm (3.3")                   |
| Weight      | 340 g (12 oz)                  |
| Termination | 10 pin modular RJ45            |
| Cable       | Standard 2.9 m (9.5') straight |

## ELECTRICAL

|                 |  |
|-----------------|--|
| Input Voltage   | 12 V   |
| Power           | Operating: 2.3 W<br>Standby: 1.7 W   |
| Current         | Operating: 192 mA<br>Standby: 142 mA   |
| DC Transformers | 12 V @ 1.25A   |
| EMC             | FCC Class B, IEC60825-1 LED Safety   |
| LED Class       | Class 1; IEC60825-1:1993/A1:1997+A2:2001<br>Class 1; EN60825-1:1994/A11:1996+A2:2001 |

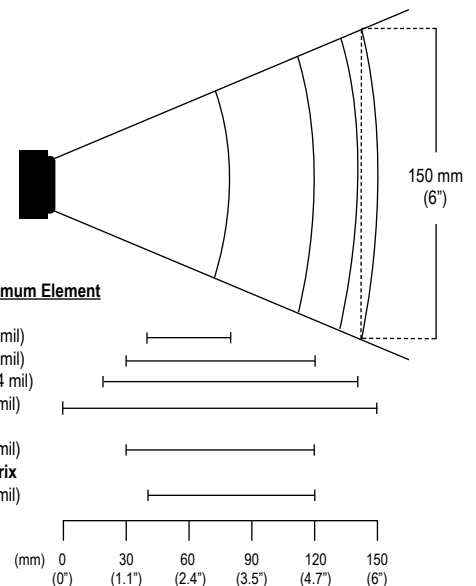
## ENVIRONMENTAL

|                       |   |
|-----------------------|---|
| 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 |
| Light Levels          | Up to 100,000 Lux (9,290 footcandles)       |
| Shock                 | Designed to withstand 1.5 m (5') drops      |

## SCAN PERFORMANCE

|                       |  |
|-----------------------|--|
| Depth of Scan Field   | 0 mm - 152 mm (0" - 6") for 0.33 mm (13 mil)                                       |
| Field of View         | 55 mm x 35 mm (2.2" x 1.4") @ face;<br>185 mm x 110 mm (7.3" x 4.3") @ 152 mm (6") |
| Minimum element width | 1D: 0.1 mm (4 mil)<br>PDF: 0.127 mm (5 mil)<br>2D: 0.254 mm (10 mil)               |
| Motion Tolerance      | 200 cm/sec (78"/sec) for 0.33 mm (13 mil) @ 10 cm (4")                             |
| Resolution            | 1280 x 768   |
| Print Contrast        | 20% minimum reflectance difference   |
| Roll, Pitch, Skew     | 360°, 70°, 75°   |

## Scan Area



### Product Colors Available



MS7580 is available in a variety of other colors with minimum quantity purchase.



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Revision: All



Sunrise 2005 Compliant

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DS7580