



## 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)

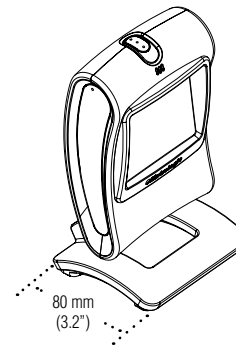
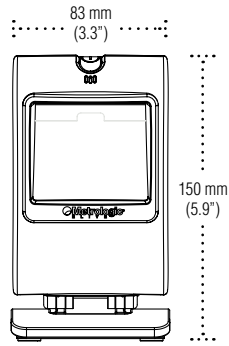


### Features

- 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 Standby: 1.7 W
Current	Operating: 192 mA 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 Class 1; EN60825-1:1994/A11:1996+A2:2001

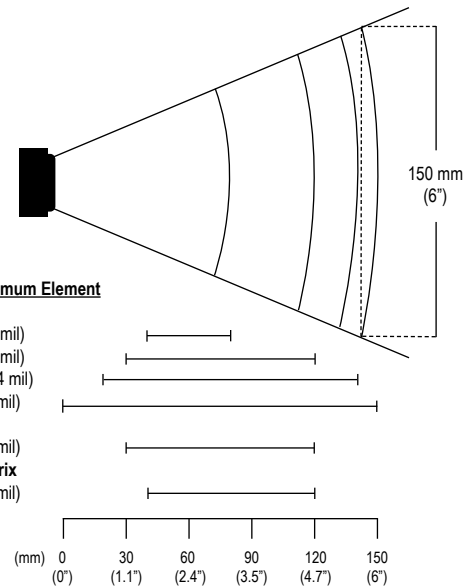
## ENVIRONMENTAL

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; 185 mm x 110 mm (7.3" x 4.3") @ 152 mm (6")
Minimum element width	1D: 0.1 mm (4 mil) PDF: 0.127 mm (5 mil) 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.



Metrologic Instruments, Inc. | Worldwide Headquarters  
90 Coles Road | Blackwood, NJ 08012-4683 | info@metrologic.com  
Telephone 856-228-8100 | Fax 856-228-6673 | www.metrologic.com

ISO 9001:2000

**Asian Headquarters**  
Tel. 65.6842.7155  
info@sg.metrologic.com

**European Headquarters**  
Tel. 49.89.89019.0  
info@eu.metrologic.com

**The Americas Headquarters**  
Tel. 1.800.ID.METRO  
info@us.metrologic.com



Revision: All



Sunrise 2005 Compliant

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DS7580