Horizon

MS7625

Metrologic®

MS7600 Series Horizon™ is Metrologic's next generation in-counter laser bar code scanner. This compact, hands-free scanner is designed with a dense 20-line omnidi-rectional scan pattern that helps pro-vide fast, efficient throughput with a high first-pass read rate.

MS7600 Series Horizon™

Features

- **Automatic scanning operation**
- **Durable die-cast construction**
- **Firmware updates via Flash ROM**
- **EAS deactivation antenna is standard**
- **Supports commonly used interfaces including USB and Keyboard Wedge**
- **Custom edit the bar code data**
- **PowerLink, user replaceable cables**
- **RS232 auxiliary port for adding peripherals**
- **OPOS and JPOS system compatible**
- **Field replaceable window**
- **Programmable depth of field**
- **Available with either a stainless steel (MS7625) or a high-impact plastic (MS7620) top plate**

Metrologic's MS7600 Series Horizon™

is Metrologic's next generation in-counter laser bar code scanner. This compact, hands-free scanner is designed with a dense 20-line omnidirectional scan pattern that helps pro-vide fast, efficient throughput with a high first-pass read rate.

Each Horizon is equipped with an integrated EAS deactivation antenna. The EAS security tag, designed to reduce shrink, is deactivated and the bar code is scanned with a single pass. These simultaneous operations help improve operator comfort and increase throughput. To further enhance operator efficiency and productivity, Horizon is equipped with IR laser activation. This allows the user to "wake" the unit from a power save or sleep mode and read a bar code instanta-neously, without any delay.

Each Horizon includes an RS232 auxiliary port that allows for hand held bar code scanners to be connected providing easy scanning of bulky, over-sized objects. Other peripherals such as check readers or magnetic stripe readers can also utilize the flexibility of the auxiliary port. The Horizon also offers multiple interfaces and data editing making it compatible with almost every POS sys-tem on the market today.

The combination of performance, ruggedness, and a myriad of features make the Horizon an ideal choice for grocery, retail, coupon redemp-tion, and a multitude of applications.

MS7600 Series Horizon™

OPERATIONAL

Light Source	Visible Laser Diode 650 nm $\pm$ 10 nm
Laser Power	1.1 mW (peak)
Depth of Scan Field	0 mm - 203 mm (0″ - 8.0″) for 0.33 mm (13 mil) bar code
Width of Scan Field	137 mm (5.4″) @ 40 mm (1.6″) ; 221 mm (8.7″) @ 178 mm (7.0″)
Scan Speed	2000 scan lines per second
Scan Pattern	5 fields of 4 parallel lines (omnidirectional)
Number of Scan Lines	20
Minimum Bar Width	0.127 mm (5.0 mil)
Decode Capability	Autodiscriminates all standard bar codes; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, IBM 468x/469x, Stand Alone PC Keyboard, USB
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	360°, 60°, 60°
Beeper Operation	7 tones or no beep
Indicators (LED)	Amber = laser on, ready to scan; Red = good read, decoding

MECHANICAL

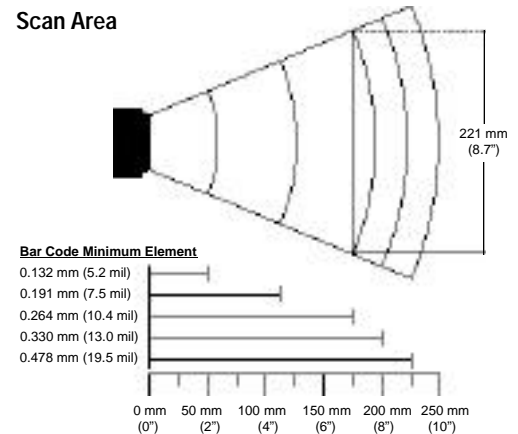|	
Dimensions	193 mm H x 88 mm D x 229 mm W (7.6″ H x 3.5″ D x 9.0″ W)
Weight	2.88 kg (6.35 lbs)
Termination	Three 10-pin modular RJ45
Cable	Standard 2.1 m (7′) straight; for other cables call Metrologic

ELECTRICAL

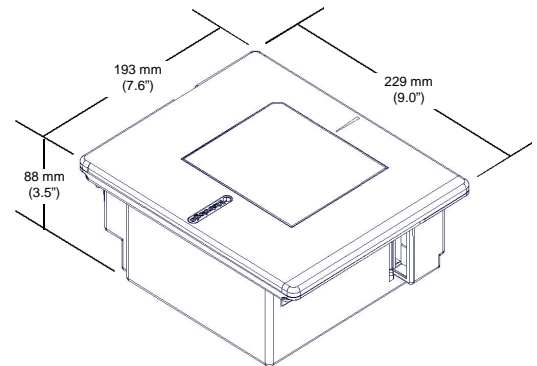|	
Input Voltage	5.2 VDC $\pm$ 0.25 V
Power	2.6 W
Operating Current	500 mA
DC Transformers	Class II; 5.2 VDC @ 650 mA
Laser Class	IEC 60825-1:1993 + A1:1997 + A2:2001 Class 1
EMC	FCC, ICES-003 & EN55022 Class A

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	5% to 95% relative humidity, non-condensing
Light Levels	Up to 4842 Lux (450 footcandles)
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Scan Area

221 mm (8.7")

Bar Code Minimum Element

0.132 mm (5.2 mil)
0.191 mm (7.5 mil)
0.264 mm (10.4 mil)
0.330 mm (13.0 mil)
0.478 mm (19.5 mil)

0 mm (0")　50 mm (2")　100 mm (4")　150 mm (6")　200 mm (8")　250 mm (10")

Dimensions

193 mm (7.6")
229 mm (9.0")
88 mm (3.5")

DS7620