MS6720

Metrologic®

MS6720 is an omnidirectional hand-held and fixed projection scanner. It incorporates a 20-line scan pattern into a comfortable, ergonomic design.

MS6720

Features

- **Combination hand-held and fixed projection scanner**

- **Fully automatic scanning operation**

- **Stationary or adjustable stand available**

- **Superior ergonomics**

- **Concentrated omnidirectional scan pattern**

- **Programmable depth of field**

- **Easy programming using Windows® software or bar codes**

Metrologic's MS6720 is the first laser bar code scanner to have bridged the gap between omnidirectional fixed projection and hand-held scanners. It incorporates fixed projection performance and a patented 20-line scan pattern into the comfortable, ergonomic styling of a hand-held. With this design, Metrologic has engineered a scanner that transcends any other on the market today.

The MS6720 utilizes a unique, patented infrared sensor and control scheme for hands-free projection scanning and fatigue reduced hand-held operation. Whether operators choose to present small items to the scanner or transport the lightweight scanner to bulkier items, the MS6720 is

the perfect choice for a large variety applications. The MS6720 scanner is available with either a stationary or adjustable stand. The stationary stand is ideal for applications where the MS6720 is being used mostly as a hand-held scanner. This stand was designed for ease of use while still providing sufficient room for fixed presentation. The adjustable stand provides 7 rotational and 9 tilting positions as well as a removable wall mount cup.

The MS6720 features both short-range and long-range activation, user-friendly programming, reliability and versatility. Operators are sure to appreciate the convenience and flexibility of the MS6720.

shown with optional stand

MS6720

OPERATIONAL

Light Source	Visible Laser Diode 650 nm $\pm$ 10 nm
Laser Power	0.681 mW (peak)
Depth of Scan Field (programmable)	0 mm - 203 mm (0" - 8") for 0.33 mm (13 mil) bar code at default setting
Width of Scan Field	50.8 mm (2") @ face; 178 mm (7") @ 203 mm (8")
Scan Speed	1000 scan lines per second
Scan Pattern	5 fields of 4 parallel lines (omnidirectional)
Number of Scan Lines	20
Minimum Bar Width	0.145 mm (5.7 mil)
Decode Capability	Autodiscriminates all standard bar codes, including RSS; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, IBM 468x/469x, USB (low speed and full speed), Stand Alone Keyboard
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	360°, 60°, 60°
Beeper Operation	3 tones or no beep
Indicators (LED)	Red = laser on, ready to scan Green = good read

MECHANICAL

Height	219 mm (8.6")
Depth-Handle Depth-Head	28 mm (1.1") 75 mm (2.9")
Width-Handle Width-Head	48 mm (1.9") 77 mm (3.0")
Footprint On Stand	100 mm x 135 mm (3.9" x 5.3")
Weight	380 g (13.4 oz)
Termination	10 pin modular, RJ45 connector
Cable	Standard 2.1 m (7') straight; optional 2.7 m (9') coiled; for other cables call Metrologic

ELECTRICAL

Input Voltage	5 VDC $\pm$ 0.25 V
Power	1.1 W @ 5V
Operating Current	220 mA @ 5V
DC Transformers	Class 2; 5 VDC @ 300 mA
Laser Class	IEC 60825-1:1993+A1:1997+A2:2001 Class 1
EMC	FCC, ICES-003 & EN55022 Class B

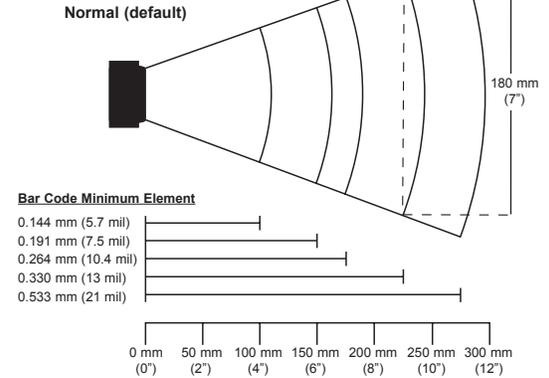## ENVIRONMENTAL

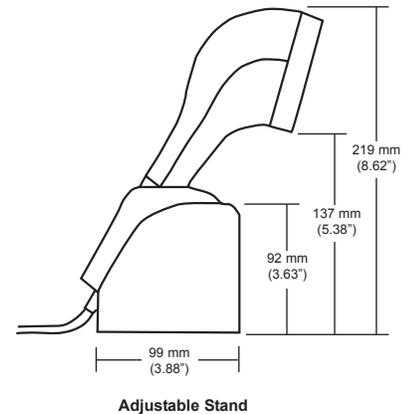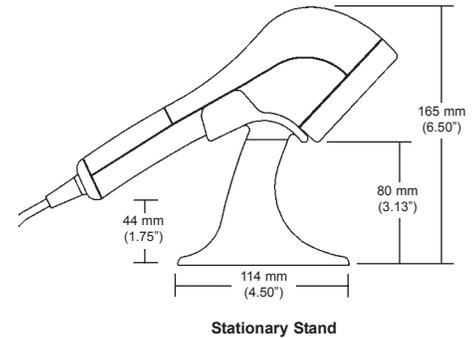|	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1 m (3.1') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Scan Area

Normal (default)

180 mm (7")

Bar Code Minimum Element
- 0.144 mm (5.7 mil)
- 0.191 mm (7.5 mil)
- 0.264 mm (10.4 mil)
- 0.330 mm (13 mil)
- 0.533 mm (21 mil)

0 mm (0") · 50 mm (2") · 100 mm (4") · 150 mm (6") · 200 mm (8") · 250 mm (10") · 300 mm (12")

Dimensions

165 mm (6.50") · 80 mm (3.13") · 44 mm (1.75") · 114 mm (4.50")

Stationary Stand

219 mm (8.62") · 137 mm (5.38") · 92 mm (3.63") · 99 mm (3.88")

Adjustable Stand

MS6720 is available in the following colors

Pearl White · Light Grey · Black

Sample only, actual colors may vary

USB UNIVERSAL SERIAL BUS

CE

c(UL)us LISTED

Complies with 21 CFR Chapter 1 subchapter J. Class IIa laser product. Avoid long-term viewing of direct laser light. LASERKLASSE 1

Metrologic®

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DS6720