Metrologic®
We really work for you.™

MS1633 **Focus*BT*™**

Focus*BT*™ is the hand-held area imager that surpasses all wireless 2D scanners by combining Bluetooth• connectivity with aggressive First*Flash*™ scan performance.

Perfect for solving retail and supply-chain management applications, this omnidirectional scanner combines the freedom of Bluetooth V1.2 mobility with many qualities already found in the popular Focus MS1690. Focus*BT* is also great for healthcare data-capture applications.

Regardless of orientation, Focus*BT*'s First*Flash* technology decodes all standard bar codes in a single flash, including 1D, 2D, RSS, PDF417, microPDF, EAN/UCC Composite, Matrix and Postal Codes.

Focus*BT* features Metrologic's patented CodeGate® and RangeGate® technology.

CodeGate® technology zeros in on the required code and then easily completes data transmission with the push of a single button.

With RangeGate®, Focus*BT* scans and stores hundreds of bar codes when outside of the host system communication range. When the connection is re-established, the stored scans are automatically downloaded to the host.

For image-capture applications, Focus*BT* combines a high-resolution CMOS sensor with a powerful processor which enables a wide array of outputs.

In addition to automatic infrared object detection, Focus*BT* comes equipped with several power-save modes, a USB Bluetooth adaptor and two rechargeable lithium-ion batteries. Each battery provides 12 hours of scanning or approximately 9,000 scans per charge.
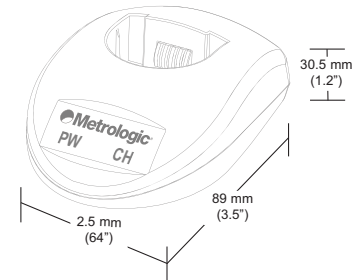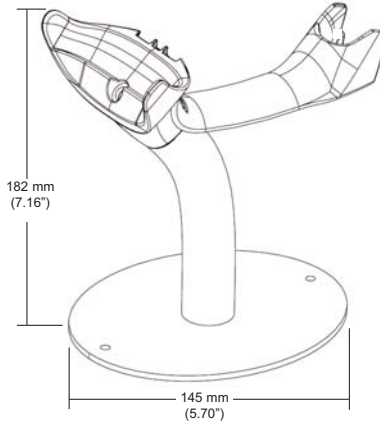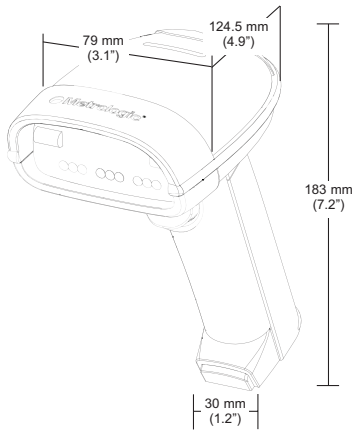
www.metrologic.com

FEATURES	BENEFITS
• First*Flash*™	Increases productivity-scans nearly every standard bar code on first LED flash
• Omnidirectional scanning	Eliminates need to orientate hand-held area imager to bar code
• Removable li-ion battery pack	Easily remove and replace battery packs without using tools-remote charging for 24/7 scanning
• USB Bluetooth adaptor	Cable-free adaptor simultaneously enables Bluetooth compatibility for host system and up to 7 other Bluetooth devices
• Powersave modes/power switch	Both conserve battery life and extend uptime

Dimensions:
- 79 mm (3.1")
- 124.5 mm (4.9")
- 183 mm (7.2")
- 30 mm (1.2")
- 182 mm (7.16")
- 145 mm (5.70")
- 30.5 mm (1.2")
- 89 mm (3.5")
- 2.5 mm (.64")

OPERATIONAL

Light Source	LED 645 nm $\pm$ 7.5 nm
Decode Capability	Autodiscriminates all standard 1-D, RSS, PDF417, microPDF, MaxiCode, Data Matrix, QR Code, UCC, EAN Composites, Postals, Aztec
System Interfaces	Bluetooth v1.2
Beeper Operation	7 tones or no beep
Indicators (LED)	Blue Steady=unit powered, ready to scan, Bluetooth connected; White=good read; Yellow Steady=in stand
Battery Indicator (LED)	Blue=unit powered

MECHANICAL

Height	183 mm (7.2")
Depth	124.5 mm (4.9")
Width	Handle - 30 mm (1.2"); Head - 79 mm (3.1")
Weight	290 g (10.23 oz)

ELECTRICAL

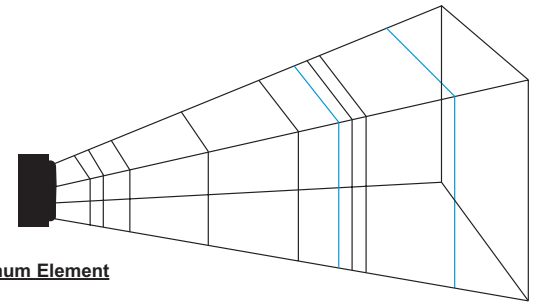|	
Input Voltage	5VDC < 1A
Recharge Time	6 hours
Battery Capacity	9,000 scans (average)
Radio Range	Bluetooth Class 2 - 10 m (33')
Frequency	2.4 - 2.48 GHz (frequency hoping)
Battery Type	Li-ion
DC Transformers	Scanner: none; Base: Class 2; 5VDC < 1A
EMC	FCC Class A, IEC60825-1 LED Safety
ESD Protection	Functional after 100 15kV discharges
LED Class	Class 1; IEC60825-1:1993/A1:1997+A2:2001 Class 1; EN60825-1:1994/A11:1996+A2:2001

ENVIRONMENTAL

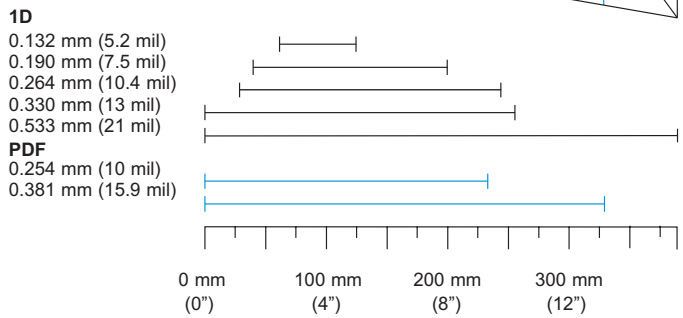|	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 50°C (-4°F to 120°F)
Humidity	0% to 95% relative humidity, non-condensing
Light Levels	Up to 190,000 Lux (17,670 footcandles)
Shock	Designed to withstand 1.5 m (5') drops
Contaminants	Sealed to resist airborne particulate contaminants

SCAN PERFORMANCE

Depth of Field (programmable)	0 mm - 254 mm (0" - 10") for 0.33 mm (13 mil) bar codes
Field of View	49 mm W x 19 mm H (1.9" W x 0.8" H) @ 20 mm (0.8"); 264 mm W x 106 mm H (10.4" W x 4.2" H) @ 280 mm (11")
Minimum element width, 1D	0.127 mm (5 mil)
Minimum element width, 2D	0.254 mm (10 mil)
Resolution	1280 x 512
Print Contrast	20% minimum reflectance difference
Pitch, Skew	75°, 75°

Scan Area

Bar Code Minimum Element

1D
- 0.132 mm (5.2 mil)
- 0.190 mm (7.5 mil)
- 0.264 mm (10.4 mil)
- 0.330 mm (13 mil)
- 0.533 mm (21 mil)

PDF
- 0.254 mm (10 mil)
- 0.381 mm (15.9 mil)

- 0 mm (0")
- 100 mm (4")
- 200 mm (8")
- 300 mm (12")

Product Colors Available — Graphite Grey, Onyx Black — **MS1633** is available in a variety of other colors with minimum quantity purchase

USB UNIVERSAL SERIAL BUS · CE · c UL us LISTED · Sunrise 2005 Compliant

DS1633