Honeywell

Metrologic®
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MS1633 Focus*BT*

Wireless Area-Imaging Scanner

Honeywell's MS1633 Focus*BT*® is the hand-held area-imaging scanner that surpasses all wireless 2D scanners by combining Bluetooth® wireless technology with aggressive 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 MS1690 Focus®. Focus*BT* is also ideal for solving healthcare data-capture applications.

Regardless of orientation, Focus*BT* decodes all standard bar codes in a single flash, including 1D, 2D, GSI DataBar™, PDF417, microPDF, EAN/UCC Composite, Matrix and Postal Codes.

Focus*BT* features Honeywell's patented Range*Gate*® technology. With Range*Gate*, Focus*BT* scans and stores hundreds of bar codes when outside 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 and two rechargeable lithium-ion batteries. Each battery provides 8 hours of scanning or approximately 4,800 scans per charge.

For more information on the MS1633 Focus*BT* wireless area-imaging scanner, please visit www.honeywell.com/aidc

Features

- **Omnidirectional Scanning:** Eliminates need to orientate scanner to bar code
- **Total*Freedom*™:** Expands scanner functionality by allowing image processing, decoding and formatting plug-ins to be loaded directly to the scanner instead of the host system
- **Removable Li-ion Battery Pack:** Easily remove and replace battery packs without using tools
- **Mobile Phone Reading:** Excels at scanning coupons and tickets directly from the screen of a mobile device

- **Flexible Licensing Solution:** Meets diverse scanning requirements by offering models with limited decoding capabilities—purchase decoding licenses to enable additional functionality as the need arises
- **PowerSave Modes/PowerSwitch:** Conserves battery life and extends uptime
- **Code*Select*™:** Scans up to 7 bar codes in a single flash and outputs data in any predetermined order
- **Motion Tolerance:** Offers aggressive scanning of bar codes passing by the window in presentation mode

MS1633 *FocusBT* Technical Specifications

Operational

Light Source	LED 645 nm ± 7.5 nm
Audible Indicators	7 tones or no beep
Visual Indicators	Blue = ready to scan, White = good read; Yellow = automatic scanning; Battery Indicator: Blue = unit powered
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)

Wireless

Radio/Range	2.4 to 2.5 GHz (ISM Band) Frequency - Hopping Bluetooth v1.2; Class 2: 10 m (33´) line of sight
Data Range (Transmission Rate)	1 Mbit/s (721 Kbit/s)
Battery	2300 mAh Li-ion
Number of Scans	4800 scans @ 1 scan every 6 seconds
Expected Hours of Operation	8 hours
Expected Charge Time	6 hours

Mechanical/Electrical

	Scanner	Charger
Dimensions (LxWxH)	183 mm x 79 mm x 124.5 mm (7.2˝ x 3.1˝ x 4.9˝)	90 mm x 65 mm x 30 mm (3.5˝ x 2.5˝ x 1.2˝)
Weight	290 g (10.2 oz)	85 g (3 oz)
Charging Power		6.0 W (1.2 A @5 V)
Non-Charging Power		150 mW (30 mA @ 5 V)
DC Transformers	Internal battery	Class 2: 5 VDC @ 2 A
LED Class	Class 1: IEC60825-1, EN60825-1	
EMC	FCC Part 15, ICES-003, EN55022 Class B	

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
Drop	Designed to withstand 1.5 m (5´) drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	100,000 Lux (9,290 foot-candles)

Scan Performance

Scan Pattern	Area
Sensor Resolution	1.3 megapixel
Motion Tolerance	47 cm/s (18 in/s) with 13 mil UPC @ 10 cm (4.0˝)
Scan Angle	Horizontal: 50°; Vertical: 20°
Print Contrast	20% minimum reflectance difference
Tilt, Pitch, Skew	360°, 75°, 75°
Decode Capabilities	**1D**: Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic ***PDF**: PDF417, MicroPDF417 ***2D**: QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode, Codablock, Composite Code, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail RM4SCC, KIX Code ***OCR**: OCR-A, OCR-B, E-13B MICR ***Note**: Decode capabilities dependent on kit configuration*

For more information:

www.honeywell.com/aidc

Typical Performance*	
Narrow Width	Depth of Field
5.2 mil (1D)	51 mm - 108 mm (2.0˝ - 4.3˝)
7.5 mil (1D)	32 mm - 184 mm (1.3˝ - 7.3˝)
13 mil (1D)	0 mm - 330 mm (0˝ - 13.0˝)

*Resolution: 5 mil (0.127 mm)
*Performance may be impacted by bar code quality and environmental conditions

Typical Performance*	
Narrow Width	Depth of Field
10 mil (PDF)	0 mm - 330 mm (0˝ - 13.0˝)
15 mil (PDF)	0 mm - 432 mm (0˝ - 17.0˝)

*Resolution: 5 mil (0.127 mm)
*Performance may be impacted by bar code quality and environmental conditions

Security & Data Collection

Honeywell Scanning & Mobility

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