



Metrologic is now part of Honeywell

# MS1890 Focus

## Industrial-Grade Area-Imaging Scanner

Honeywell's MS1890 Focus<sup>®</sup> industrial-grade area-imaging scanner provides unmatched scanning performance in challenging environments.

MS1890 Focus maximizes productivity with a set of features previously unavailable in rugged area imagers.

Engineered to withstand two-meter falls, this IP54-rated omnidirectional scanner precisely executes applications for retail back-of-store, manufacturing, transportation and logistics. It excels in punishing locales such as: dusty warehouses, steamy storerooms, rainy loading docks and freezing distribution centers.

The MS1890 Focus outperforms the field in decoding all standard bar codes in a single flash with minimal concern for orientation or print quality. It reads codes damaged, worn or wrapped in clear plastic.

The MS1890 Focus further separates itself with patented Code *Select*<sup>™</sup> technology which allows the scanner to capture up to seven bar codes in a single flash and then decode them in any predetermined order.

Honeywell's exclusive Total *Freedom*™ architecture expands scanner funtionality by allowing formatting, parsing and decoding plug-ins to be loaded directly to the MS1890 instead of the host system.

For more information on the MS1890 Focus industrial-grade areaimaging scanner, please visit www.honeywell.com/aidc



### **Features**

- IP54-rated: Withstands exposure to dirt, dust and splashing water
- Durable Metal Hook: Creates safer working conditions by attaching to universal tether
- 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
- 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
- Omnidirectional Scanning: Eliminates need to orientate scanner to bar code
- Code Select: Scans up to 7 bar codes in a single flash and outputs data in any predetermined order

### **MS1890 Focus 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			
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)			
Mechanical				
Dimensions (LxWxH)	111 mm x 79 mm x 183 mm (4.4" x 3.1" x 7.2")			
Weight	284 g (10 oz)			
Electrical				
Input Voltage	5 VDC ± 0.25 V			
Operating Power	2 W (400 mA @ 5 V) - typical			
Standby Power	800 mW (160 mA @ 5 V) - typical			
DC Transformers	Class 2: 5.2 VDC @ 1 A			
LED Class	Class 1: IEC60825-1, EN60825-1			
EMC	FCC Part 15, IEC60825-1, EN55022 Class A			
Environmental				
Operating Temperature	0°C to 50°C (32°F to 122°F)			
Storage Temperature	-40°C to 60°C (-40°F to 140°F)			
Humidity	0% to 95% relative humidity, non-condensing			
Drop	Designed to withstand 2 m (6.5') drops			
<b>Environmental Sealing</b>	IP54			
Light Levels	100,000 Lux (9,290 foot-candles)			
Scan Performance				
Scan Pattern	Area			
Sensor Resolution	1.3 megapixel			
Motion Tolerance	10 cm/s (4 in/s) for 13 mil UPC @ 10 cm (4.0") distance			
Scan Angle	Horizontal: 50°; Vertical: 20°			
Print Contrast	20% minimum reflectance difference			
Tilt, Pitch, Skew	360°, 75°, 75°			
Decode Capability	<ul> <li>1D: Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic</li> <li>*PDF: PDF417, MicroPDF417</li> <li>*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</li> <li>*OCR: OCR-A, OCR-B, E-13B MICR *Note: Enable by purchasing decoding license</li> </ul>			

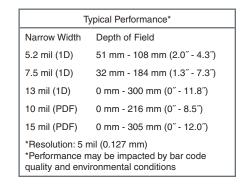
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### For more information:

www.honeywell.com/aidc

### **Security & Data Collection**

Honeywell Scanning & Mobility Honeywell 90 Coles Road Blackwood, NJ 08012 856.228.8100 www.honeywell.com





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