

# IS3480

## Omnidirectional Laser Scan Engine

Honeywell's IS3480 is a compact, omnidirectional bar code scanner that is ideal for integration into original equipment manufacturer (OEM) devices.

IS3480 is a combination omnidirectional and single-line laser bar code scanner. The omnidirectional scan pattern offers outstanding scan performance on all standard 1D bar code symbologies, including GS1 DataBar™. The button-activated single-line mode aids in scanning items that contain multiple bar codes or when selecting bar codes from menu-style price sheets. In addition, scan lines can be turned on or off individually, allowing complete customization of the scan pattern.

IS3480 is designed for integration into a variety of devices including self-service kiosks, price lookup systems, ATMs, access control, shopping assistant devices, or a host of other OEM devices. The scanner's main cable connector is located at the top of the unit to facilitate mounting. The auxiliary connector gives users access to several of the I/O signals, providing the flexibility for external hookup of a beeper, trigger button, and LED.

The unique shape of IS3480 allows the unit to be mounted in slim profile systems. In addition, IS3480 features a sweet-spot mode that audibly and visually indicates the best mounting location for optimum scanning in a fixed application. Most importantly, the IS3480 is equipped with powerful and cost saving features such as easy programming, user replaceable cables and upgradeable software that protects your investment.



## Features

- **Automatic Scanning Operation:** Simply present a bar code and the unit scans in a single pass
- **Programmable Depth of Field:** Customize the scan field for small POS areas eliminating inadvertent scans
- **Single-Line Mode:** Facilitates scanning of items with multiple bar codes, including menus
- **Sweet Spot Mode:** Facilitates mounting for optimum performance
- **Flash ROM:** Protects investment with easy firmware updates via MetroSet®2 software and a personal computer

# IS3480 Technical Specifications

## Mechanical/Electrical

Dimensions (D x W x H)	50 mm x 63 mm x 68 mm (1.97" x 2.48" x 2.68")
Weight	170 g (6 oz)
Termination	10 position modular RJ45 connector
Cable	Standard 2.1 m (7') straight; optional 2.7 m (9') coiled (contact a Honeywell representative for other cables)
Mounting Holes	Five: M2.5 x 0.45 threaded inserts, 4 mm (0.16") maximum depth
Input Voltage	5 VDC $\pm$ 0.25 V
Operating Power	275 mA @ 5 VDC - typical
Standby Power	200 mA @ 5 VDC - typical

## Environmental

Light Source	Visible Laser Diode 650 nm
Visual Indicators	Blue = ready to scan; White = good read
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Emulation
Operating Temperature	-20°C to 40°C (-4°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	Up to 4842 Lux

## Scan Performance

Scan Pattern	Omnidirectional: 5 fields of 4 parallel lines; Button activated single line
Scan Speed	Omnidirectional: 1650 scan lines per second; Single line: 80 scan lines per second
Maximum Characters Read	80 data characters
Print Contrast	35% minimum reflectance difference
Decode Capability	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic
Tilt, Pitch, Skew	360°, $\pm$ 60°, $\pm$ 60°
Warranty	2 year factory warranty

For a complete listing of all compliance approvals and certifications please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance)



**For more information:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

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Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	44 mm - 108 mm (1.8" - 4.3")
7.5 mil	25 mm - 190 mm (1.0" - 7.5")
10 mil	25 mm - 240 mm (1.0" - 9.5")
13 mil	25 mm - 280 mm (1.0" - 11.0")
26 mil	25 mm - 300 mm (1.0" - 12.0")

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

