

IS3480

Omnidirectional Laser Scan Engine

Honeywell's IS3480 is a compact, omnidirectional bar code scanner ideal for integration with 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 with a variety of devices including self-service kiosks, price lookup systems, ATMs, access control, shopping assistant devices, or a host of other Original Equipment Manufacturer (OEM) devices. The scanner's main cable connector is located at the top of the unit to facilitate mounting and the auxiliary connector gives users access to several of the I/O signals, providing the flexibility for external hookup of beepers, buttons, and LEDs.

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 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.

For more information on the IS3480 omnidirectional laser scan engine, please visit www.honeywell.com/aidc



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:** Provides the user feedback on how well the unit is scanning a bar code in the scan zone
- **Flash ROM:** Protects POS Investment with easy firmware updates via MetroSet®2 software and personal computer

IS3480 Technical Specifications

Operational

| | |
|------------------------|--|
| 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 |

Mechanical

| | |
|--------------------|--|
| Dimensions (LxWxH) | 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 |

Electrical

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|-------------------|--|
| Input Voltage | 5 VDC \pm 0.25 V |
| DC Transformers | Class 2: 5.2 VDC @ 1 A |
| Operating Current | 275 mA @ 5 VDC - typical |
| Idle Current | 200 mA @ 5 VDC - typical |
| Laser Class | Class 1: IEC60825-1; EN60825-1 |
| EMC | FCC Part 15, ICES-003, EN55022 Class B |

Environmental

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|-----------------------|--|
| 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 (450 foot-candles) |

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 |



| 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

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