

4800i

Industrial-Grade Area-Imaging Scanner

The 4800i industrial area-imaging scanner is designed to provide unmatched data collection performance and versatility for applications that demand maximum reliability in the harshest working environments.

Powered by Adaptus® Imaging Technology 5.0, the 4800i delivers high-performance, omnidirectional linear and 2D bar code reading plus the versatility of digital image capture. With Adaptus 5.0, enterprises have the ability to capture and process more data than ever before with a single device.

Built specifically for scan-intensive applications requiring a ruggedized solution, the 4800i features our highest drop specification and an IP54 rating to guarantee protection against the penetration of dust and liquid. However, unlike other industrial grade solutions, the 4800i features best-in-class ergonomics—ensuring maximum user comfort and productivity.



Features

- **Built for Industrial Applications:** Rugged housing is specified to withstand 50 drops from 6.5' (2 m) and certified to IP54 standards, while still being ergonomic and easy-to-use
- **High Performance and Versatile Data Collection:** Adaptus Imaging Technology 5.0 provides aggressive, omnidirectional reading of all linear and 2D bar codes, plus enables digital image capture
- **Advanced Illumination Technology:** Enhances performance and ease of use by delivering snappier scanning and minimizing reflection from shiny items
- **Simplified Device Configuration Through Advanced Software Assets:** Visual Xpress™ software enables device programming and configuration on a host system through an easy-to-use Windows®-based graphical user interface
- **User Feedback Designed for Extreme Environments:** Adjustable, extra loud “good read” beeper and dual LED indicators ensure reliable and intuitive feedback, even in noisy environments
- **Ease of Connectivity:** All popular interfaces are on board, plus Visual Express™ software for easy integration with Unified POS (UPOS) standard and Windows® Embedded for Point of Service (WEPOS) systems

4800i Technical Specifications

Mechanical

Dimensions (LxWxH)	135 mm x 81 mm x 163 mm (5.3" x 3.2" x 6.4")
Weight	213 g (7.5 oz)

Electrical

Input Voltage	4.0 - 14 VDC
Operating Power	1.9 W (382 mA @ 5 V)
Standby Power	160 mW (53 mA @ 5 V)
Host System Interfaces	USB, TTL Level RS232, True RS232, Keyboard Wedge, IBM 46xx (RS485), Light Pen (Wand) Emulation

Environmental

Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	0% to 95% relative humidity, non-condensing
Drop	Designed to withstand 2 m (6.5') drops
Environmental Sealing	IP54
Light Levels	100,000 Lux

Scan Performance

Scan Pattern	Area Image (pixel array: 752 x 480)
Motion Tolerance	Standard: 10 cm/s (4 in/s); Streaming Presentation: 50 cm/s (20 in/s) with 13 mil UPC at optimal focus
Scan Angle	Horizontal: 42°; Vertical: 27°
Print Contrast	20%
Pitch, Skew	40°, 40°
Decode Capability	Reads standard 1D, stacked, 2D and postal symbologies; limited OCR font reading.
Warranty	5 year factory warranty

FFor a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
 For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies



For more information:
www.honeywellaidc.com

Typical Performance* (SF)	
Narrow Width	Depth of Field
7.5 mil (1D)	51 mm - 152 mm (2.0" - 6.0")
13 mil (UPC)	38 mm - 213 mm (1.5" - 8.4")
6.6 mil (PDF)	58 mm - 140 mm (2.3" - 5.5")
10 mil (PDF)	56 mm - 180 mm (2.2" - 7.1")
15 mil (DM)	46 mm - 178 mm (1.8" - 7.0")
35 mil (QR)	56 mm - 170 mm (2.2" - 6.7")

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

Typical Performance* (SR)	
Narrow Width	Depth of Field
8.3 mil (1D)	76 mm - 180 mm (3.0" - 7.1")
13 mil (UPC)	41 mm - 323 mm (1.6" - 12.7")
6.6 mil (PDF)	102 mm - 145 mm (4.0" - 5.7")
10 mil (PDF)	66 mm - 216 mm (2.6" - 8.5")
15 mil (PDF)	46 mm - 246 mm (1.8" - 9.7")
35 mil (MC)	38.1 mm - 318 mm (1.5" - 12.5")

*Resolution: 6.6 mil (0.168 mm)
 *Performance may be impacted by bar code quality and environmental conditions

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