

MS4980

Compact Area-Imaging Scanner

Honeywell's MS4980 compact area-imaging scanner offers aggressive scanning of all 1D, PDF and 2D bar codes in a lightweight, durable and portable form factor. The scanner also features a sleek and elegant design that blends seamlessly in retail environments.

Automatic infrared object detection enables robust and easy presentation scanning, while patented *CodeGate®* technology provides precise targeting and scanning of closely grouped bar codes.

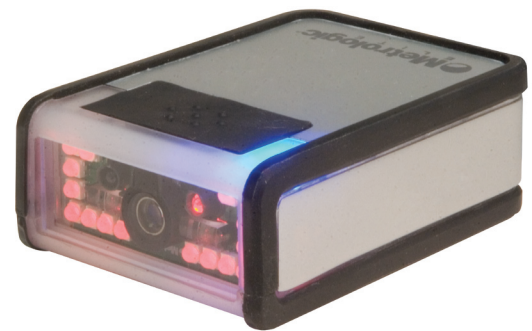
The MS4980 delivers an array of advanced features that enhance productivity. Aggressive reading of bar codes on highly reflective surfaces, such as mobile phone screens, eliminates the need to purchase additional specialty hardware. A 1.2 mega-pixel CMOS sensor allows the scanner to capture high resolution images of signatures, identification cards and personal checks.

An intelligent multi-interface design distinguishes the MS4980 from competitive scanners. The scanner has three dedicated memory banks—each one capable of storing full configurations for RS232, keyboard wedge and USB interfaces. Automatic cable detection and configuration simplifies scanner management by eliminating the need for manual configuration after the change of an interface cable.

TotalFreedom™ expands scanner functionality by allowing image processing, decoding and formatting plug-ins to be loaded directly to the MS4980 instead of the host system.

The MS4980 is small enough to be held in the palm or worn on the back of the hand. Its compact size also allows it be mounted anywhere, including in self-service scanning kiosks.

For more information on the MS4980 compact area-imaging scanner, please visit www.honeywell.com/aidc



Features

- **Aggressive Pass-Through Scanning:** Enhances productivity by enabling cashiers to capture bar codes moving rapidly past the scan window
- **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
- **Robust Infrared Object Detection:** Minimizes operator fatigue by providing hands-free presentation scanning
- **Intelligent Multi-Interface Design:** Provides automatic cable detection and configuration, reducing overall system costs
- **CodeSelect™:** Scans up to 7 bar codes in a single flash and outputs data in any predetermined order
- **TotalFreedom:** Expands scanner functionality by allowing image processing, decoding and formatting plug-ins to be loaded directly to the scanner instead of the host system
- **Wide Field of View:** Excels at scanning wide bar codes and OCR fonts close to the face
- **Mobile Phone Reading:** Scans bar codes directly from the screen of a mobile device

MS4980 Technical Specifications

Operational

Light Source	Illumination: 645 nm ± 7.5 nm; Aiming: 615 ± 10 nm
Host System Interfaces	Multi-interface with automatic host detection: Full-speed USB, RS232, and Keyboard Wedge

Mechanical

Dimensions (LxWxH)	74 mm x 49 mm x 25 mm (2.9" x 1.9" x 1")
Weight	70 g (2.5 oz)
Termination	15-POS D-Sub connector

Electrical

Input Voltage	5 VDC
Operating Current	
Ideal Current	
Sleep Current	
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 70°C (-4°F to 158°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5') drops
Vibration	7G over 10-500 Hz
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	100,000 lux

Scan Performance

Scan Pattern	Area
Sensor Resolution	1.3 megapixels
Field of view	Horizontal: 45°, Vertical: 37.5°
Focal Point	
Print Contrast	30% minimum reflectance difference
Decode Capability	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, Postal Codes, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail, RM4SCC, KIX *OCR: OCR-A, OCR-B, E-13B MICR *Note: Decode capabilities dependent on kit configuration



For more information:

www.honeywell.com/aidc

Security & Data Collection

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Typical Performance*	
Narrow Width	Depth of Field
5.0 mil (1D)	11 – 15 cm (4.3" – 5.9")
7.5 mil (1D)	8.0 – 20.0 cm (3.2" – 7.9")
10.4 mil (1D)	6.0 – 25.0 cm (2.4" – 9.8")
13 mil (1D)	5.0 – 30.5 cm (2" – 12")
26 mil (1D)	7.0 – 37.0 cm (2.8" – 14.6")
* Resolution: 5 mil (0.127)	
*Performance may be impacted by bar code quality and environmental conditions	

Typical Performance*	
Narrow Width	Depth of Field
7.5 mil (Data Matrix)	8.0 - 12.0 cm (3.2" – 4.7")
10 mil (Data Matrix)	7.0 - 17.0 cm (2.8" – 6.7")
15 mil (Data Matrix)	5.0 - 22.0 cm (2" – 8.7")
*Resolution: 4 mil (0.1 mm)	
*Performance may be impacted by bar code quality and environmental conditions	