

Xenon 1500

Area-Imaging Scanner

2D bar codes are becoming increasingly popular across a wide range of industries for a number of reasons. Some enterprises have a desire to capture large amounts of data, despite space constraints, while others are being required to read 2D bar codes due to government regulations or supplier mandates. And an even larger group of enterprises simply have the desire to leverage emerging trends that require area-imaging technology, today or in the future, without needing to purchase additional scanning hardware.

Enterprises that recognize the importance of upgrading to area-imaging scanners are generally unwilling to accept a decline in scan performance. They are also looking for a solution that is capable of reading traditional paper-based bar codes, as well as bar codes found on alternative mediums, such as mobile phone screens. Honeywell's Xenon™ 1500 area-imaging scanner offers these enterprises the ability to affordably upgrade to a device that can scan linear and 2D bar codes, at speeds that are comparable to laser-based scanners, while still ensuring that they will be prepared to read the bar codes of today and tomorrow.

With no need for additional functionality beyond linear and 2D bar code scanning, many enterprises are unwilling to pay for fully-featured area-imaging scanners. Xenon 1500 enables 2D bar code scanning without extra value-added features, such as advanced image capture and processing applications, allowing Honeywell to offer 2D scanning at an attractive price.

Xenon 1500 offers an exceptional value for enterprises that require the versatility of area-imaging technology today or may need it in the future. Produced by a company with more than 15 years of experience in engineering quality area-imaging solutions, Honeywell's Xenon 1500 area-imaging scanner is a smart investment.



Features

- **Custom Sensor Optimized for Bar Code Scanning:** Delivers reliable scanning and protects investment by providing supply chain stability
- **Reliable Data Collection:** Adaptus Imaging Technology 6.0 enables omnidirectional reading of virtually all linear bar codes and the most widely used 2D bar codes, including poor quality and mobile bar codes
- **Remote MasterMind™ Ready:** Reduces total cost of ownership by providing a turnkey remote device management solution that easily manages and tracks usage of installed devices
- **Future Proof:** Delivers affordable scanning of 2D bar codes, allowing enterprises to meet their current and future bar code scanning needs with a single device

Xenon 1500 Technical Specifications

Mechanical

Dimensions (LxWxH)	104 mm x 71 mm x 160 mm (4.1" x 2.8" x 6.3")
Weight	147 g (5.2 oz)

Electrical

Input Voltage	4 VDC to 5.5 VDC
Operating Power	2.3 W (450mA @ 5 VDC)
Standby Power	0.45 W (90mA @ 5 VDC)
Host System Interfaces	USB

Environmental

Operating Temperature	0°C to 50°C (32°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 50 1.8 m (6') drops to concrete
Environmental Sealing	IP41
Light Levels	0 to 100,000 lux (9,290 foot-candles)

Scan Performance

Scan Pattern	Area Image (838 x 640 pixel array)
Motion Tolerance	Up to 64 cm/s (25 in/s) for 13 mil UPC at optimal focus
Scan Angle	Horizontal 41.4°; Vertical: 32.2°
Symbol Contrast	20% minimum reflectance difference
Pitch, Skew	45°, 65°
Decode Capability	Reads standard 1D, PDF and 2D symbologies *Note: Decode capabilities dependent on configuration
Warranty	5 year factory warranty

For 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

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Typical Performance	
Narrow Width	Depth of Field
5 mil Code 39	17.8 mm - 106.7 mm (0.7" - 4.2")
13 mil UPC	12.7 mm - 254 mm (0.5" - 10")
20 mil Code 39	25.4 mm - 304.8 mm (1" - 12")
6.7 mil PDF417	12.7 mm - 114.3 mm (0.5" - 4.5")
10 mil DM**	12.7 mm - 139.7 mm (0.5" - 5.5")
20 mil QR	20.3 mm - 241.3 mm (0.8" - 9.5")
Resolution (1D Code 39)	3 mil (0.076 mm)
Resolution (2D DM**)	5 mil (0.127 mm)
*Performance may be impacted by bar code quality and environmental conditions	
**Data Matrix (DM)	