

DATAMAN® 360 SERIES BARCODE READERS

When high-performance, versatility, flexibility and ease of use are essential, the DataMan 360 series delivers unprecedented functionality to increase throughput and drive down costs.

This next generation in the DataMan 300 series includes intelligent image buffering to provide performance feedback that is critical to fixing process issues and increased image storage. The DataMan 360 also offers a 360 degree visual read indicator and a Micro SD card for system-level backup and convenient unit restoration or replacement.



DataMan 360 series models offers a light-ring that provides 360 degree visual read indication and a Micro SD card for system-level backup and convenient unit restoration or replacement.

Leading barcode reading technology

1DMax® with Hotbars II™ technology decodes damaged or poorly printed 1-D barcodes as small as 0.8 pixels per module (PPM).

2DMax® provides reliable 2-D code reading despite code quality, printing method or the surface that the codes are marked on, and with patent-pending PowerGrid™ technology, can locate and read 2-D codes that exhibit significant damage to or complete elimination of the finder pattern, clocking pattern, or quiet zone.



1DMax with Hotbars II technology deliver high-speed reading of damaged or poorly printed 1-D barcodes as small as 0.8 pixels per module (ppm).

2DMax and PowerGrid technology provide reliable reading of challenging 2-D codes, including previously unreadable 2-D codes without visible perimeters, even when the codes exhibit significant damage to or complete elimination of the finder pattern, clocking pattern, and quiet zone.

Features at-a-glance

- 1DMax™ with Hotbars II™ technology for high-speed reading of damaged or poorly printed 1-D barcodes
- 2DMax® and patent-pending PowerGrid™ technology for reliable reading of challenging 2-D codes, including previously unreadable 2-D codes without visible perimeters
- Field exchangeable lighting and optics that readily adapt to changing factory conditions and application requirements
- Auto-tune and trigger buttons to set up and use the readers easily without a PC



L Model

1DMax algorithm with Hotbars technology for reading the most challenging, high-speed, 1-D barcodes presented in fixed position, either horizontally or vertically.



QL Model

Best-in-class 1-D barcode reading with 1DMax and Hotbars technology that is optimized for omnidirectional barcode reading.



X Models

High-performance code reading for applications that require reading challenging 1-D/2-D codes, including Direct Part Mark (DPM) codes. The X Model can also include patent pending PowerGrid™ technology to read codes without visible perimeters.



DATAMAN 360 SERIES SPECIFICATIONS

	DataMan 360 L	DataMan 360 QL	DataMan 360 X	DataMan 362 L	DataMan 362 QL	DataMan 362 X	DataMan 363 L	DataMan 363 QL	DataMan 363 X
1-D and Stacked Codes	•	•	•	•	•	•	•	•	•
Omnidirectional 1-D Codes		•	•		•	•		•	•
Postal Codes			•			•			•
2-D Codes			•			•			•
Algorithms	1DMax	1DMax	1DMax, 2DMax	1DMax	1DMax	1DMax, 2DMax	1DMax	1DMax	1DMax, 2DMax
Image Resolution	800 x 600 pixels			1280 x 1024 pixels			1600 x 1200 pixels		
Image Sensor	1/1.8" CMOS								
Acquisition	Max 60 fps						Max 40 fps		
Decode Rate	Max 45/sec						Max 30/sec		
Lens Options	C-Mount, S-Mount, variable focus liquid lens								
Trigger	External: single, burst and continuous; Internal: self and presentation								
Aimer	Dual laser (CDRH/IEC Class II)								
Discrete Inputs	2 opto-isolated								
Discrete Outputs	4 opto-isolated								
Other I/O Points	2 user-configurable								
Status Outputs	Beeper, 5 multifunctional LEDs, 10x LED bar array, 360 indicator								
Lighting	Integrated segment-controlled bright field, various controllable external light options, color options include red, red polarized, IR, blue, white								
Memory Card	Micro SD memory card included								
Communication	Ethernet and RS-232								
Power	24VDC (±10%)								
Power Consumption	5W (internal lights), 18W (internal and external lights)								
Material	Aluminum								
Weight	165g								
Dimensions	73mm x 54mm x 42mm, 92mm x 54mm x 42mm (w/cover and lights)								
Operating Temperature	0°C to 45°C (32°F to 113°F)								
Storage Temperature	-10°C to 60°C								
Operating and Storage Humidity	0% to 95%, non-condensing								
Protection	IP65								
RoHS Certified	Yes								
Approvals (CE, UL, FCC)	Yes								
Operating System	Microsoft® Windows® XP and Windows 7 32 and 64 bit								

COGNEX

Companies around the world rely on Cognex vision and ID to optimize quality, drive down costs and control traceability.

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