

DataMan QL Features:

- 1DMax™, the new standard for 1D barcode reading
- Outstanding performance on difficult-to-read codes
- Supports linear and stacked barcodes
- Easy-to-use setup tool
- Upgradeable software to enable 2D code reading
- Integrated lighting, camera, processor, and communications all in an exceptionally small, industrial-rated housing
- Three-position adjustable lens
- C-Mount and red and clear ESD-safe cover lens options

DataMan 100 Readers Also Feature:

- Super high density (SHD) lens option

DataMan 200 Readers Also Feature:

- Optional variable focus, liquid lens technology. Autofocus is achieved with a single software command; there is no need to manually adjust the focus on the line
- POE connectivity. Allows for real-time data and image transfer, and easier integration with plant controllers and information networks
- Laser aiming. Easily seen through the entire depth of field, enabling operators to quickly position the code to the reader



1DMax

The DataMan QL readers provide best-in-class 1D barcode reading with the introduction of 1DMax technology. 1DMax is optimized for omnidirectional barcode reading and can handle extreme variations in contrast, blur, damage, voids, specularity, resolution, quiet zone violations, and perspective distortion.

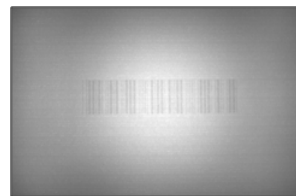
The DataMan QL reader software supports linear and stacked barcodes, but is also future-proof since it can be upgraded at any time to enable 2D (Data Matrix and QR) code reading.

Versatile Fixed-Mount ID Readers

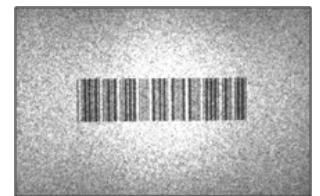
DataMan fixed-mount image-based ID readers provide the ultimate combination of high performance and versatility in an incredibly small package. DataMan readers represent a breakthrough in combining unmatched code performance (up to 45 reads per second), ease of use, and an extremely small size. Lighting, camera, processor, and communications are all integrated into an industrial housing, making the DataMan fixed-mount readers ideal for the most demanding applications.

Liquid Lens Technology

The DataMan 200 was the first fixed-mount reading system in the world to offer the variable focus liquid lens technology. This optional feature of the DataMan 200 provides greater focal range and ease of setup with extremely fast response times. This unique technology adjusts the camera's focus by applying an electrical charge to fluid within the lens. The liquid lens technology is ideal for applications with variable focus requirements and for the simplest setup and deployment.



Low Contrast



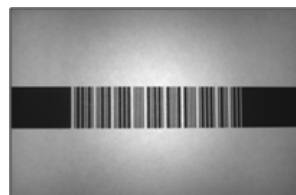
Noise



Specular



Perspective



Quiet Zone



Damage

DataMan 100/200 QL

Easy Setup and Deployment

Initial reader setup is easy with the setup tool software common to all DataMan products. The software makes the deployment of readers for new and existing applications simple with an intuitive interface and easy reader configuration.

Point-and-click setup displays the image that DataMan sees; results (decoded images and data); real-time process feedback, and many more features, which all add up to the most intuitive and complete user interface available.

MultiCode Capability

The DataMan QL readers support the ability to read multiple codes (MultiCode) in a single image (single or self trigger mode) or in a sequence of images (burst trigger mode). The reader is able to read different 1D code types at the same time, and can read up to 128 codes in the field of view.

Burst Trigger Mode

Burst Trigger Mode allows you to capture and process a sequence of images. With the Setup Tool it is possible to view a complete sequence of burst mode images in a filmstrip to allow for adjusting settings of trigger delay, burst length, and interval between acquisitions to better match the specific application.



Specifications

Symbologies: 1D and Stacked: UPC/EAN/JAN, Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, PostNet, Planet Code, Australia 4-State, Japan 4-State, UPU 4-State, Intelligent Mail Bar Code, Pharmacode, GS1 DataBar, Composite (CC-A, CC-B), PDF417, MicroPDF

Decoding Algorithm: 1DMax

Image Sensor: 752 x 480 (global shutter)

Acquisition: Max 60 fps

Decode Rate: Max 45/sec

Lens Type: 3-position (40/65/105mm) adjustable

Auto Focus: Yes, Liquid Lens optional on DataMan 200 readers

Trigger: Manual; External: Single, Burst & Continuous;
Internal: Self & Presentation

Aimer: DataMan 100: Dual LED;
DataMan 200: Dual laser (CDRH/IEC Class II)

Discrete Inputs: 2 inputs (opto-isolated)

Discrete Outputs: 2 outputs (opto-isolated)

Status Outputs: DataMan 100: Beeper and 2 multi-functional LEDs;
DataMan 200: Beeper and 3 multi-functional LEDs

Lighting: Integrated bright field



Communications: DataMan 100: RS-232 and USB;
DataMan 200: Ethernet with industrial protocols and RS-232

Power: DataMan 100: 5 VDC to 24 VDC;
DataMan 200: 36VDC to 57 VDC (POE)

Power Consumption: DataMan 100: 500 mA @ 5 VDC max;
DataMan 200: 50 mA @ 48 VDC max

Material: Aluminum housing

Weight: DataMan 100: 125g; DataMan 200: 75g

Dimensions: DataMan 100: 55mm x 42mm x 22mm
DataMan 200: 64mm x 42mm x 21mm

Operating Temperature: 0°C to 45°C (32°F to 113°F)

Storage Temperature: -10°C to 60°C (14°F to 140°F)

Operating & Storage Humidity: 0% to 95%, non-condensing

Protection: IP65

ESD Safe: Yes, with ESD safe cover

Approvals: CE, UL, FCC, RoHS

Operating System: Microsoft® Windows® XP and Vista® 32

