DataMan 800 Series Features:

- **Ability to read all major 1D barcodes and 2D codes**

- **Omnidirectional scanning. Read codes faster by eliminating the need to line up the barcode with the scan line**

- **IP65-rated sealing (DataMan 850 & 855). Protects against water and dust for reliable performance in harsh industrial conditions**

- **Integrated Bluetooth (DataMan 855). Cable-free convenience and secure wireless transmissions**

Versatile Handheld Readers

The DataMan® 800 Series of handheld image-based readers offer three models to choose from to best fit your code reading application. All three models offer omnidirectional scanning of all major 1D and 2D symbologies. The unique targeting pattern of the readers also helps to increase worker productivity by allowing for faster scanning.

DataMan 800

The DataMan 800 reader, equipped with a 1.3 megapixel imager, offers high-performance features and superior image quality allowing you to read 1D and 2D barcodes accurately and quickly. The DataMan 800 provides true point-and-shoot barcode capture—there is no need to orient products to face the scanner window. And, a viewfinder ensures the image is properly captured the first time. Switch between hands-free and handheld operation to quickly, easily and safely scan larger items.

The DataMan 800 is designed to endure the rigors of everyday use with a 6ft./1.8m drop specification and a tempered glass exit window.

DataMan 850

The DataMan 850 delivers fast, accurate data capture of 1D barcodes and 2D (Data Matrix and QR) codes. Designed for fast-paced industrial production environments, the CMOS image sensors enable the accurate capture and processing of barcodes at rates faster than other standard readers for maximum productivity. The DataMan 850 offers a powerful 624MHz microprocessor capable of decoding 1D and/or 2D codes in milliseconds, regardless of size or density.

The DataMan 850 brings comprehensive, high-performance data capture to harsh industrial environments. It is a rugged, corded reader designed to withstand multiple 6.5ft./2m drops to concrete. It also offers an IP65-rated seal, making it impervious to dust and water. Also, the exit window is scratch resistant and recessed for the highest level of durability.

In addition, noisy machinery and poor lighting can make it difficult for operators to see or hear scanner feedback to ensure proper completion of scans. The DataMan 850 addresses this challenge with bright LEDs and adjustable volume beeper, and a vibrating pager motor placed in the handle. These features ensure that decode feedback is clearly visible and audible to users, saving valuable worker time.

DataMan 855

The DataMan 855 offers all the industrial features of the DataMan 850 reader with the added advantage of integrated Bluetooth® technology. Integrated Bluetooth eliminates the cord between the scanner and the host, enabling employees to move freely throughout the workspace. Productivity, efficiency and even worker safety can be improved. Plus, the elimination of the cord reduce potential downtime from cable breakdowns.

For more information on the full line of Cognex handheld and fixed-mount readers, visit www.cognex.com/id.

Specifications

	DataMan 800	DataMan 850	DataMan 855
Physical Characteristics			
Dimensions	6.55 in. H x 4.72 in. L x 2.82 in W 16.60cm H x 11.90cm L x 7.10cm W	7.34 in. L x 4.82 in. W x 2.93 in D 18.65cm L x 12.25cm W x 7.43cm D	7.34 in. L x 4.82 in. W x 2.93 in D 18.65cm L x 12.25cm W x 7.43cm D
Weight	6.4 oz. (182 gm)	11.85 oz. (336 gm) w/o cable	13.79 oz. (391 gm)
Voltage and Current	5 volts +/- 10% VDC @ 350 mA	5 volts +/- 10%, 330 mA	2200 mAh Lithium-ion Battery
Color	Yellow and Grey	Yellow and Gray	
Performance Characteristics			
Light Source	Aiming; 650nm laser diode Illumination: 630 nm LED	Aiming; 650nm laser diode Illumination: 630 nm LED	
Depth of Field	0.5 - 15.2 in./1.3-30.6cm 1D (20 mil) 1.1 - 7.5 in./2.8-19.1cm 2D (10 mil)	1.0 - 20.9 in. /2.54-53.09cm 1D (20 mil) 1.1 - 7.1 in./2.79-18.03cm 2D (10 mil)	
Roll/Pitch/Yaw	360°, +/-65°, +/-60°	360°, +/-60°, +/-60°	
Resolution	1.3 Megapixel (1280 px H x 1024 px V)	752 px x 480 px	
User Environment:			
Operating Temperature	32° to 122°F (0° to 50°C)	-4° to 122°F (-20° to 50°C)	
Storage Temperature	-40° to 158°F (-40° to 70°C)	-40° to 140°F (-40° to 60°C)	
Humidity	5% to 95%, non-condensing	5% to 95%, non-condensing	
Drop Specifications	Withstands multiple 6ft. (1.8m) drops to concrete	Withstands multiple 6.5ft. (2m) drops to concrete	
Symbology Decode Capability	1D: UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Trioptic Code 39, RSS variants, UCC/EAN 128, Code 128, Code 128 Full ASCII, Code 93, Codabar (NW1), Interleaved 2 of 5, Discrete 2 of 5, MSI, Codell, IATA, Bookland EAN, Code 32 PDF417 (and variants): PDF417, microPDF417 and compostite codes 2D: MaxiCode, Data Matrix (ECC 200) and QR Code	1D: UPC/EAN (UPCA/UPCE/UPCE1/EAN-8 /EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code, Code 39 (Standard, Full, ASCII, Trioptic), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, Code 11 (Standard, Matrix 2 of 5), MSI Plessey, I 2 of 5 (Interleaved 2 of 5/ITF, Discrete2 of 5), GS1 DataBar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked, Inverse), Base 32 (Italian Pharmacode) PDF417 (and variants): PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C) 2D: TLC-39, Aztec (Standard, Inverse), MaxiCode, Data Matrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)	
Regulatory Electrical Safety	UL6950-1, CSA C22.2 No. 60950-1, EN60950-1/IEC60950-1	UL6950-1, CSA C22.2 No. 60950-1, EN60950-1/IEC60950-1	
Laser Safety	EN60825-1:1994 +A1: 2002 +A2: 2001, IEC60825-1, 21CFR1040.10 and 21CFR1040.11, CDRH Class II, IEC Class 2	EN60825-1, IEC60825-1, 21CFR1040.10 and 21CFR1040.11, CDRH Class II, IEC Class 2	
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, CISPR 22, CISPR 24; Medical electrical equipment: EN60601-1-2: 2002	FCC Part 15 Class B, ICES-003 Class B, EN55022, EN55024, EN 6100-6-2, AS/NZS 7268:2008, Japan VCCI	
Environmental	Compliant with RoHS directive 2002/95/EEC	Compliant with RoHS directive 2002/95/EEC	

LASER LIGHT
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

CLASSIFIED PER IEC 60825-1, Ed 2, 2007-03

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