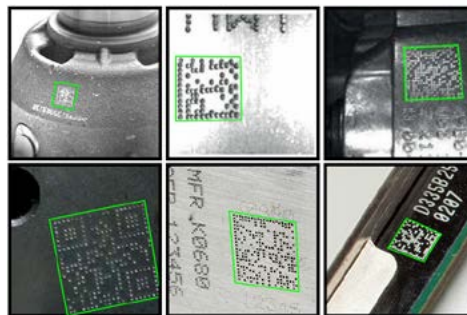# DATAMAN 8072DL HANDHELD BARCODE READER

Advanced image formation for direct part mark (DPM) codes

The DataMan® 8072 DPM Lite (DL) handheld barcode reader delivers powerful barcode reading performance for tough DPM codes on flat, highly reflective surfaces. It features the latest patented technology and advanced lighting and optics, ideal for automotive, aerospace, and medical device industry applications.

Patented algorithms deliver powerful barcode reading performance

DataMan 8072DL handheld barcode readers are optimized with powerful algorithms and technologies to read DPM, as well as 1-D and 2-D label-based barcodes, in the most demanding industrial environments.

2DMax® with PowerGrid® technology is a breakthrough 2-D decoding algorithm, designed to read 2-D codes with significant damage to or complete elimination of a code's finder pattern, clocking pattern, or quiet zone.

Half-polarized lighting provides advanced image formation

The DataMan 8072DL is a standard-range barcode reader that deciphers codes from up to 30 centimeters (12 inches) away. This barcode reader has a 1.2-megapixel sensor and half-polarized lighting which illuminates codes on flat, highly reflective surfaces to acquire optimal code images.

Robust, modular communications and ease-of-use

With the DataMan 8072DL handheld barcode reader, no configuration or adjustments are necessary. Codes can be read from a distance without angling the code or part.

Field-interchangeable communication modules easily integrate with factory networks, allowing each reader to be configured to meet specific communication needs. Corded RS-232, USB, and Ethernet options, as well as a cordless Bluetooth option, are available for DataMan 8072DL handheld barcode readers.

SPECIFICATIONS

Algorithms/Technologies	1DMax,™ Hotbars®, 2DMax, PowerGrid
Symbologies	1-D: UPC/EAN/JAN, Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, Pharmacode, POSTNET, PLANET Code, GS1 Databar, IMB, Postal 2-D: Data Matrix, QR, MicroQR, PDF417, MaxiCode, Aztec, Micro PDF41
Imager	1.2 MP
Lens Type	Fixed lens
Trigger	Manual trigger
Aimer	LED aimer
Status Outputs	LED, beeper, and vibration
Lighting Options	Half-polarized and non-polarized
Communications	Serial module: RS-232, USB Ethernet module: TCP/IP, FTP, industrial protocols: Ethernet/IP, PROFINET, MC protocol, Modbus TCP Intelligent base station: RS-232, USB, Ethernet, industrial protocols Bluetooth module communicates to industrial Bluetooth base station
Power	Serial/USB: 5 V–6 V DC, 5.0 W maximum LPS or NEC Class 2 power supply Ethernet: PoE Class 2 power supply Bluetooth: 3.7 V, 3100 mAh Li-ion battery
Material	Polycarbonate housing with overmold
Weight	255 g
Dimensions	210 mm x 115 mm x 85 mm
Operating Temperature	0–40 °C (32–104 °F)
Storage Temperature	-40–60 °C (-40–140 °F)
Maximum Humidity	95% (non-condensing)
Protection	IP65
Drop Test	50 drops from 2 meters
RoHS Compliance	2011/65/EU
Approvals	UL60950-1 & CAN/CSA C22.2 No.60950-1-07, CE (EMC & RED), FCC Part 15, ICES-003, RSS-210 Issue 8, KCC
Operating System	Microsoft Windows® 7 and 10

COGNEX

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

Corporate Headquarters   One Vision Drive Natick, MA 01760 USA

Regional Sales Offices

Americas
North America	+1 844-999-2469
Brazil	+55 (11) 2626 7301
Mexico	+01 800 733 4116

Europe
Austria	+49 721 958 8052
Belgium	+32 289 370 75
France	+33 1 7654 9318
Germany	+49 721 958 8052

Hungary	+36 800 80291
Ireland	+44 121 29 65 163
Italy	+39 02 3057 8196
Netherlands	+31 207 941 398
Poland	+48 717 121 086
Spain	+34 93 299 28 14
Sweden	+46 21 14 55 88
Switzerland	+41 445 788 877
Turkey	+90 216 900 1696
United Kingdom	+44 121 29 65 163

Asia
China	+86 21 6208 1133
India	+9120 4014 7840
Japan	+81 3 5977 5400
Korea	+82 2 539 9980
Malaysia	+6019 916 5532
Singapore	+65 632 55 700
Taiwan	+886 3 578 0060
Thailand	+66 88 7978924
Vietnam	+84 2444 583358

www.cognex.com