COGNEX

DATAMAN 8072ER HANDHELD BARCODE READER

Extended-range reader for logistics applications

The DataMan® 8072 Extended Range (ER) handheld barcode reader is designed for logistics and warehousing applications, reliably reading 1-D and 2-D label-based barcodes from up to 8 meters away. It features the latest patented algorithms, liquid lens technology, and high-powered LED lighting and laser aimer for efficient long-range scanning.

Patented algorithms deliver powerful barcode reading performance

DataMan 8072ER handheld barcode readers are optimized with powerful algorithms and technologies to read label-based barcodes in the most demanding logistics environments.

- 1DMax™ with Hotbars® is a 1-D barcode algorithm optimized for omnidirectional barcode reading and can decode up to 10x the speed of a typical barcode reader.

- 2DMax® with PowerGrid® 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 or clocking pattern, or quiet zone.

Innovative design is ideal for logistics applications

The DataMan 8072ER deciphers codes from up to 8 meters (26 feet) away, making it ideal for scanning pallet labels on high shelves or slips hanging from a warehouse ceiling. This barcode reader has a 1.2-megapixel sensor to improve resolution and image formation. DataMan 8072ER is also equipped with liquid lens (autofocus) technology to allow the reader to quickly adapt to changes in working distances for greater depth-of-field coverage. Unlike traditional zoom lenses, liquid lenses do not have any moving parts that can wear out or fail.

Robust, modular communications and ease-of-use

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 8072ER 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	Liquid Lens
Trigger	Manual trigger
Aimer	Laser
Status Outputs	LED, beeper, and vibration
Lighting Options	2 high-powered LEDs (far scanning); 1 LED (near scanning)
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	254 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.

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