

DATAMAN 8070 SERIES VERIFIER

High-performance direct part mark (DPM)
code quality verifier

Barcode verification is the process of grading the quality of barcodes. Barcode verifiers capture images and generate reports to demonstrate compliance to parameters within industry standardization guidelines.

The DataMan® 8070 series verifier is packed with powerful lighting options, robust grading algorithms, a high-speed processing engine, and a high-resolution camera to capture and grade the most difficult DPM codes. Combined with simple DataMan Setup Tool software, DataMan 8070 verifiers deliver detailed, repeatable results.

Multiple options for verifying codes on every surface

As the only DPM verifier on the market with 30-, 45-, and 90-degree lighting options, the DataMan 8070 verifier can easily illuminate codes on textured, curved, and even highly reflective surfaces. This provides the best chance of reliably capturing and grading code images to verify compliance with the International Organization for Standardization AIM DPM Quality Guideline (ISO/IEC TR 29158).

Compared to other industry verifiers, DataMan 8070 verifiers offers greater versatility and speed to verify codes.

- 27 x 20 mm field-of-view (FOV)
- 6.0 mil minimum x-dimension
- High-speed processing engine
- 1.2-megapixel sensor



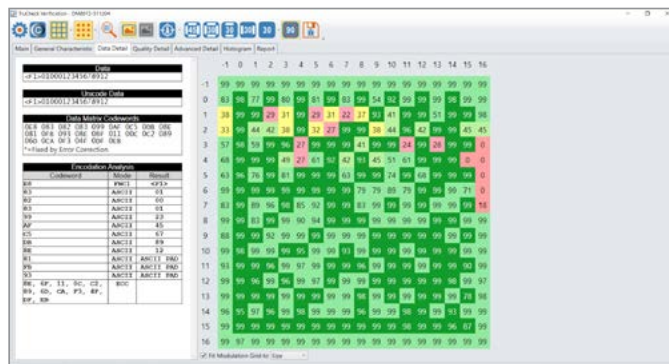
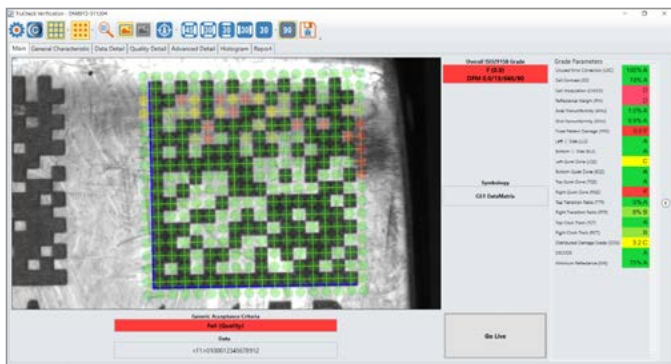
30-, 45-, and 90-degree lighting



Fast, accurate algorithms provide reliable and repeatable results

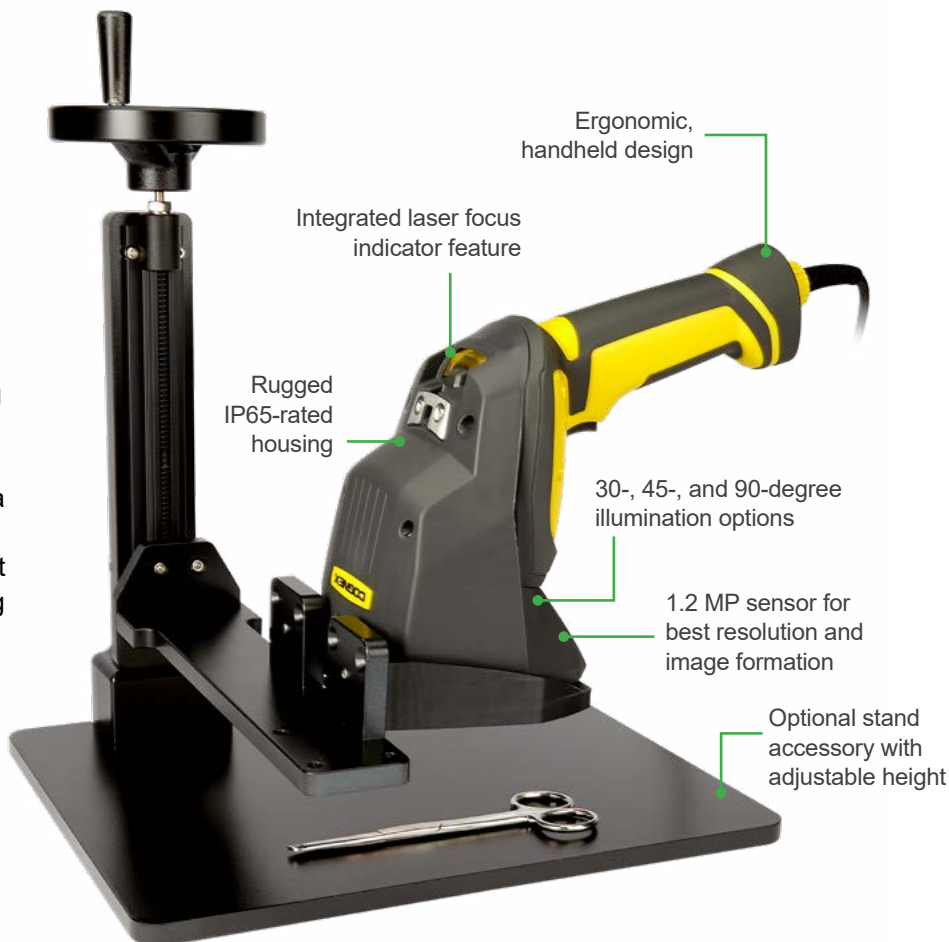
The DataMan 8070 verifier is packed with the latest technology and software to grade even the most difficult DPM codes quickly and reliably. High-speed location and decoding capabilities combined with robust grading algorithms provide fast, accurate, and repeatable results.

The DataMan Setup Tool calculates an overall grade based on several quality parameters such as symbol contrast, modulation, pattern damage, and decodability. Detailed results show whether codes meet industry standards and auto-generated reports can be used to demonstrate compliance, as well as help pinpoint printing and process control issues.



Easy-to-maneuver compact design and rugged housing for greater mobility

The DataMan 8070 verifier has an ergonomic, handheld scanner-like design that is easy to maneuver. A small imaging head gives users better access to codes in recessed or hard-to-reach locations. An optional stand accessory with adjustable height provides added flexibility when working with oddly shaped parts. A laser focus indicator feature integrated into the head of the verifier ensures the camera is always in focus. The DataMan 8070 verifier is the only verifier on the market with an IP65 rating and rugged housing to withstand even the harshest factory floor environments.



SPECIFICATIONS

Symbologies	Data Matrix
Field-of-View	27 x 20 mm
Minimum X-Dimension	6.0 mil
Image Sensor	1.2 MP
Lighting	30-, 45-, and 90-degree options
Lighting Type	660 nm red LED
Communications	USB and Ethernet
Power Consumption	USB: 6V and 1.0A Ethernet: PoE Class 2 power supply
Weight	572 g without cable
Dimensions	106 mm x 189 mm x 189 mm
Protection	IP65
Approvals (CE, UL, FCC)	CE Certified
Industry Standards Compliance	ISO/IEC 15415, TR-29158 (AIM DPM) Calibration card included.*
Application Standards	GS1, MIL-STD 130 UID, UDI, HIBCC, ISO 15434
ESD Standards Compliance	None
Operating System	Windows
Software Interface	DataMan Setup Tool

*A basic calibration card with a Data Matrix symbol is included with the DataMan 8070 verifier. A calibration card with conformance symbols is available to purchase separately. The industry will dictate the type of calibration card needed. Cards expire two years from the issue date.



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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