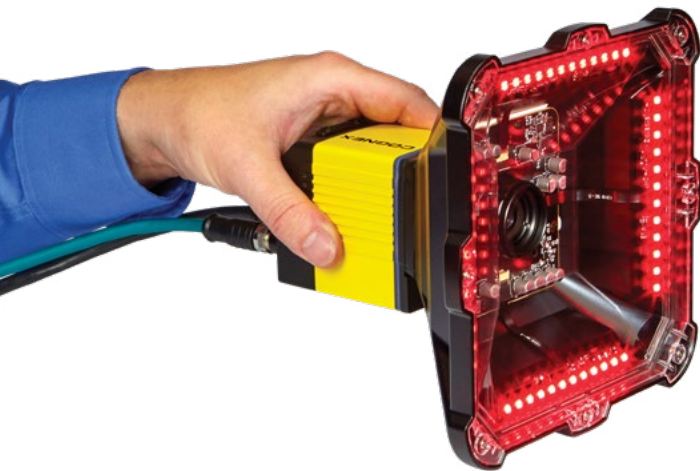


## DATAMAN 475V SERIES INLINE BARCODE VERIFIER

Automate code quality assurance without slowing down production

Barcode verification is the process of grading the quality of barcodes according to globally accepted ISO standards. Cognex barcode verification technology ensures the readability and compliance of 1D and 2D barcodes. Today most companies spot check codes one at a time using an offline, operator-based verifier which can be slow, cumbersome, and prone to human error.

With the DataMan® 475V series inline barcode verifier, high-speed 100% verification and quality reporting can be done directly on your production line, preventing product waste and costly chargebacks. Immediate feedback and intuitive visual diagnostics provide operators with the ability to identify and correct printing and process control issues as they happen. And for every code verified, detailed reports can be archived to ensure traceability, statistical process control, and compliance.



### Achieve compliant verification results

The DataMan 475V four-quadrant, 45-degree lighting attachment is compliant with the International Organization for Standardization (ISO) requirements for grading 1D and 2D label-based barcodes. The included calibration card and robust grading algorithms ensure that the DataMan 475V conforms to ISO and application standards while providing accurate and repeatable results.

### Verify on high speed lines without sacrificing analytics

DataMan 475V provides several immediate quality assurance benefits:

- Set alerts for when code quality begins to degrade
- Grade up to 20 codes per second
- Export verification results to PLC, database, or FTP server, as CSV, HTML, PDF, or custom formats
- Improve processes with detailed analysis and diagnostic information for every code

### ISO Quality Standards:

- ISO 15416
- ISO 15415
- ISO/IEC TR 29158





## SPECIFICATIONS

Symbologies	1D: UPC/EAN, Code 128, ITF-14, I25, Code 39, Code 93, Codabar 2D: Data Matrix (ECC 200), QR Code, Micro QR Code, PDF417
Field of View	80 x 60 mm
Working Distance	60 mm
Depth of Field (WD Tolerance)	+/- 3 mm
Minimum X-Dimension	6 mil (0.15 mm)
Image Sensor	Sony IMX264LLR 5 MP (2448 x 2048 pixels) 2/3 inch CMOS, global shutter 8.8 mm x 6.6 mm (H x V); 3.45 $\mu$ m square pixels
Lens Type	12 mm fixed focal length, f/4 fixed aperture, 2/3 inch sensor format, C-mount lens (users cannot alter lens)
Lighting Types	660 nm, 45°, 4-quadrant
Communications	Ethernet
Power Consumption	24 VDC $\pm$ 10%, 1.5 A max (36 W peak)
Weight	945 g
Dimensions	185 x 185 x 175 mm
Environmental Protection	IP65
Approvals	CE, UL, TUV, FCC, KC
Industry Standards Compliance	ISO/IEC 15415, ISO/IEC 15416, ISO/IEC TR 29158, ISO/IEC 15426-1, ISO/IEC 15426-2
Application Standards	GS1, MIL-STD 130 UID, UDI, HIBCC, ISO 15434, Russian Crypto-Code, Custom Application Standards
Maximum Codes per Second	1D: 20 codes/sec* 2D: 10 codes/sec*
Maximum Linear Line Speed	3.6 ft/sec (1.1 m/sec)
Coplanarity Tolerance	+/- 3° of coplanar

\* Maximum symbols per second is dependent upon symbol size, mil size, substrate, symbology, and other application factors.

# 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 +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 2 530 9047  
Malaysia +6019 916 5532  
Singapore +65 632 55 700  
Taiwan +886 3 578 0060  
Thailand +66 88 7978924  
Vietnam +84 2444 583358

© Copyright 2020, Cognex Corporation.  
All information in this document is subject to change without notice. All Rights Reserved. Cognex and DataMan are registered trademarks of Cognex Corporation. All other trademarks are property of their respective owners. Lit. No. DM475VDS-09-2020

[www.cognex.com](http://www.cognex.com)