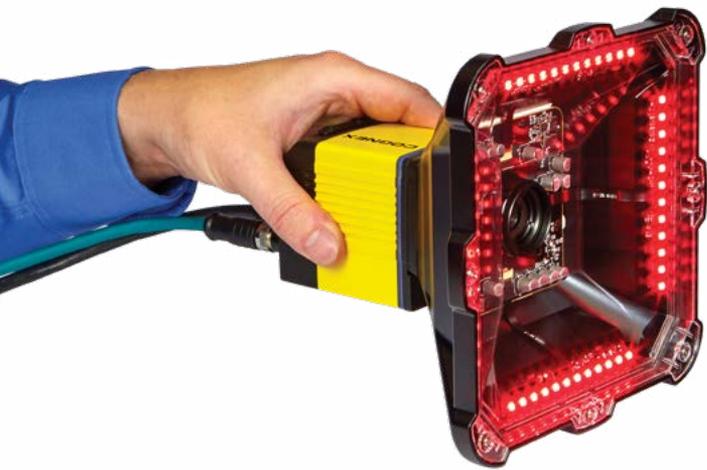# DATAMAN 475V SERIES INLINE BARCODE VERIFIER

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.

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

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.

ISO Quality Standards:

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

Auto-generate code quality data and reports

The DataMan 475V barcode verification software provides intuitive visual diagnostic information to identify one-off or trending code quality issues. It assigns an overall grade to a code based on measurements of ISO-defined quality parameters. These parameters measure several factors that affect a barcode reader's ability to identify and decode a code, maximizing read rates down-process.

Whether using for real-time diagnostics, archiving results for traceability and compliance, or aggregating for statistical process analysis, the Dataman 475V provides the flexibility and wealth of data to meet your code quality assurance needs.

Overall grade

Individual quality parameter grades

Pre-loaded application standards

Real time trend analysis   Adjustable grade trend threshold alerts

Diagnose code quality issues quickly and easily with color-coded, data-rich visual diagnostic tools.

Automatically save data-rich PDF or HTML reports for every verification or only for problem codes.

Archive the full data from each ISO verification result to an FTP server or the cloud.

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
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 μm 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±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.

Robo Vision

Αθανασιάδης Χ. - Καλπακίδου Κ. Ο.Ε.		Athanasiadis Ch. - Kalpakidou K. C.O.	
<u>Κεντρικό:</u>	<u>Υποκατάστημα:</u>	<u>Main:</u>	<u>Branch</u>:
Α. Κοραή 13	Μερόπης 11	13th Ad. Korai str.	11th Meropis str.
57010 Φίλυρο	10441 Κολωνός	57010 Filyro	10441 Kolonos
Θεσ/νίκη - Ελλάδα	Αθήνα - Ελλάδα	Thessaloniki GR	Athens GR
T: +30 2310 672 436	T: +30 210 515 7861	T: +30 2310 672 436	T: +30 210 515 7861

email: contact@robovision.gr, url: www.robovision.gr