COGNEX

WEBSCAN TRUCHECK SERIES BARCODE VERIFIERS

Barcode verification is the process of grading the quality of barcodes. Barcode verifiers capture an image of a barcode, analyze several quality parameters to calculate a quality grade, and generate a report demonstrating compliance with industry standardization guidelines.

For label-based 1D and 2D barcode applications, there are three Webscan verifiers to choose from that offer reliable, repeatable grading and diagnostic tools. Each offers a different form factor to best suit a variety of applications.

- ISO compliance for ISO/IEC 15415, ISO/IEC 15416, ISO/IEC 15426-1, ISO/IEC 15426-2, and ISO/IEC 29158 (45Q Only)
- Pre-loaded application standards for GS1, UDI, UID, and HIBCC
- Designed so that codes are always in focus
- Customizable PDF reports
- Detailed diagnostic tools

TruCheck Rover: Portable 1D/2D barcode verifier

The TruCheck Rover removes restrictive cabling for powerful and portable 1D/2D barcode grading without connecting to a PC. This flexible verifier allows users to view the grade on the built-in touch screen and automatically store or print data with the push of a button.

TruCheck Optima: Seamless positioning and faster grading

The TruCheck Optima is a compact, handheld 1D/2D barcode verifier. The hardware design simplifies and accelerates grading multiple codes thanks to its built-in trigger button and easy to position guide plate. The field of view (3 inch/75 mm) is ideal for most 1D and 2D barcode applications.
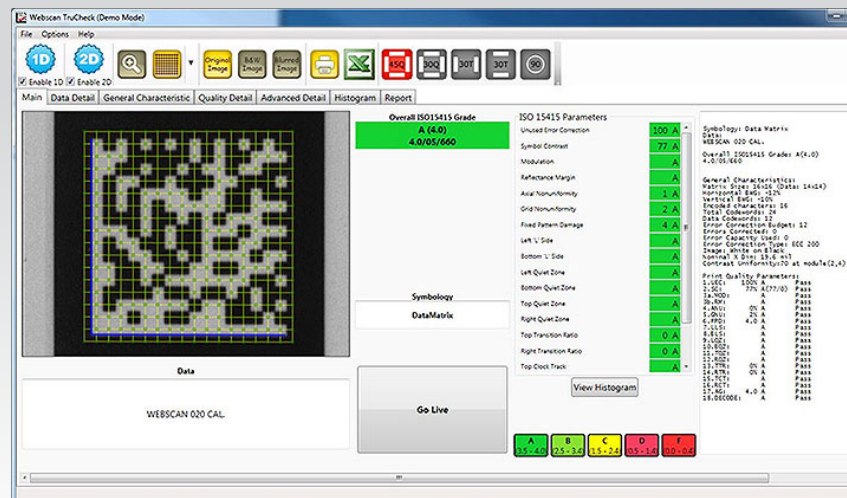
TruCheck Omni: Increase verification capacity with one device

The TruCheck Omni offers a large field of view (up to 6 inch/150 mm), enabling the device to grade multiple 1D/2D codes simultaneously. Omni models have the ability to grade a wide range of small and large code sizes with one device.

Easy-to-use Software

TruCheck software works with all Webscan verifiers and provides an easy-to-use interface. The software analyzes modules for printing defects and highlights problem areas in the barcode. The comprehensive diagnostic information goes beyond barcode grading and informs users of quality problems.

The software also analyzes encoded data and checks for formatting errors, ensuring codes meet industry standards. The individual data fields are separated from a longer string of characters, so they can be quickly read and checked. Flexible data export options include customization, saving and printing to a PDF, or exporting information directly to Microsoft Excel™.

Specifications

WEBSCAN TRUCHECK SERIES BARCODE VERIFIERS SPECIFICATIONS

	ROVER	OPTIMA	OMNI
Features	Imager with integrated illumination, USB interface to PC, ISO grading, AS 9132, AIM DPM (45Q only), Data export to printer, PDF file or Excel; easily upgradable software, parses and validates data into industry-standard data formats, variable aperture size, calibrated to NIST traceable standards.		
Symbologies	Data Matrix, QR, Aztec; GS1-DataBar (formerly RSS), GS1-composite symbology, UPC/EAN, 128, 39, TLC-39, Codabar, PDF 417, Micro PDF 417, MSI/Plessey		Data Matrix, QR, Aztec; GS1-DataBar (formerly RSS), GS1-composite symbology, UPC/EAN, 128, 39, TLC-39, Codabar, PDF 417, Micro PDF 417, MSI/Plessey, Interleaved 2 of 5, ITF-14, Laetus Pharmacode; Optional: Postnet/IMB or UPS Maxicode
Light Source	Narrow band 660 nm LED		
Decoding/Grading Analysis Specifications	Full ISO 15415/6 Grading: Unused Error Correction, Modulation, Axial Non-Uniformity, Grid Non-Uniformity, Symbol Contrast, Reference Decode, Finder Pattern Damage, Bar Width Growth (X and Y), Quiet Zone, AIM DPM Grading: Cell Contrast, Cell Mod		
Environment	Temperature: 0-40 °C, Humidity: 5%—95% noncondensing		
Conformance	ISO/IEC 15416, ISO/IEC 15415, ISO/IEC 15426-1, ISO/IEC 15426-2, ISO/IEC 15438, ISO/IEC 16022, ISO/IEC 18004, ISO/IEC 24778, ISO/IEC 29158 (only 45Q), UID (MIL-STD 130), UDI, HIBICC, GS1		
Dimensions (HxWxD)	19 x 9.5 x 15.2 cm (7.5 x 3.75 x 6 inch)	20.3 x 15.2 x 19 cm (8 x 6 x 7.5 inch)	37.1 x 27 x 19.7 cm (14.625 x 10.625 x 7.75 inch)
Weight	1.1 kg (2 lbs 6 oz)	1.4 kg (3 lbs)	5.4 kg (12 lbs)

ROVER VARIANTS

	FOV	Min X-Dim
Rover Wide Angle	76 x 57 mm	8.0 mil

OPTIMA VARIANTS

	FOV	Min X-Dim
Optima +Plus	75 x 56 mm	7.5 mil
Optima HD	51 x 38 mm	6.6 mil

OMNI VARIANTS

	FOV	Min X-Dim
Omni Standard	100 x 75 mm	9.0 mil
Omni XL	150 x 112 mm	14.0 mil
Omni Wide Angle	150 x 115 mm	7.0 mil
Omni HD	100 x 75 mm	6.0 mil

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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