REA VERIFIER

QUALITY CONTROL DEVICES
FOR MATRIX- AND BARCODES

REA TransWin 32

Quality Control of optical Codes

REA TransWin 32 – Visualize Code evaluations

VERIFY

Verification of optical codes according to international standards is part of delivery contracts and print process control.

REA Verifiers are world wide in use for barcode and Matrix code verifications. REA TransWin 32 is the central control software to acquire, visualize, store and print verification reports. REA TransWin 32 can be used on a typical MS Windows operated standard PC.

Several REA Verifiers can be connected by standard network cables to a company network and be controlled by one or several REA TransWin 32 installations.

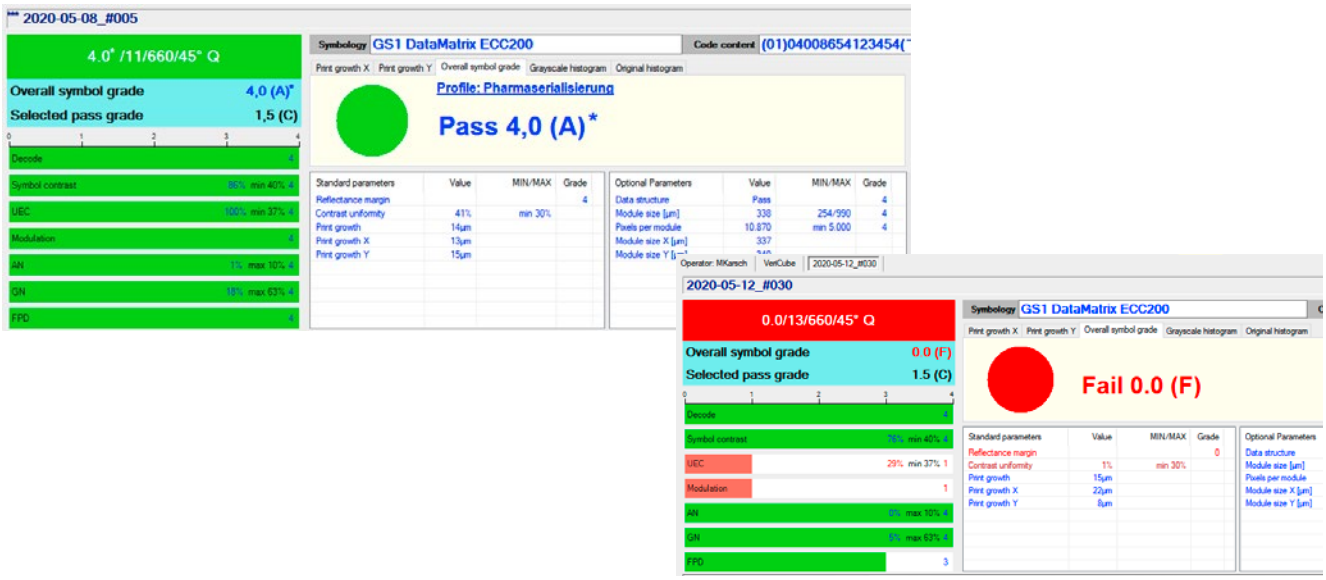
REA TransWin 32 can be installed with one license on several PCs. Reports are sent by a standard TCP/IP protocol from the verifier to the PC.

REA VeriCube

REA ScanCheck3

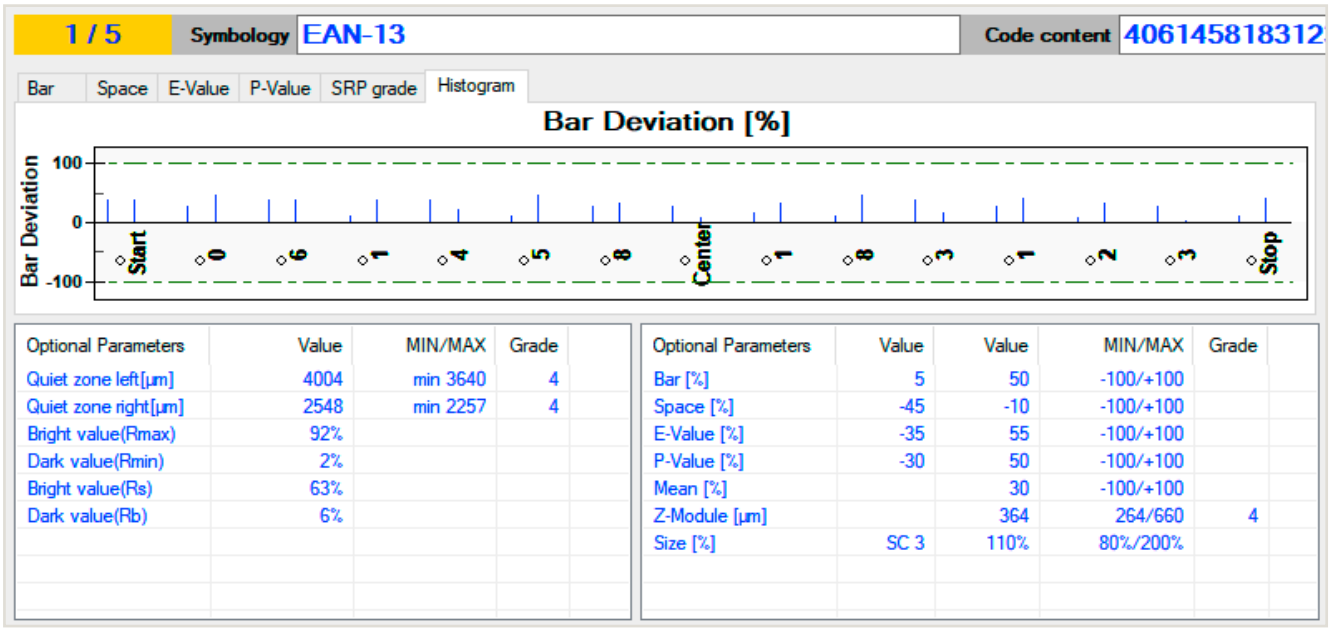
The user friendly visualization allows seeing the result, symbology and coding content immediately. Results are available for immediate use in incoming, outgoing goods control and print process control.

Each error gets an own error message to simplify analysis and error removal. Corresponding results are also highlighted in red. Comments, user addresses and verifier device details can be added to each verification report.



Traffic light to indicate passs or fail results. More details are available in graphical and tabular forms.

Red text and graphics indicates errors.

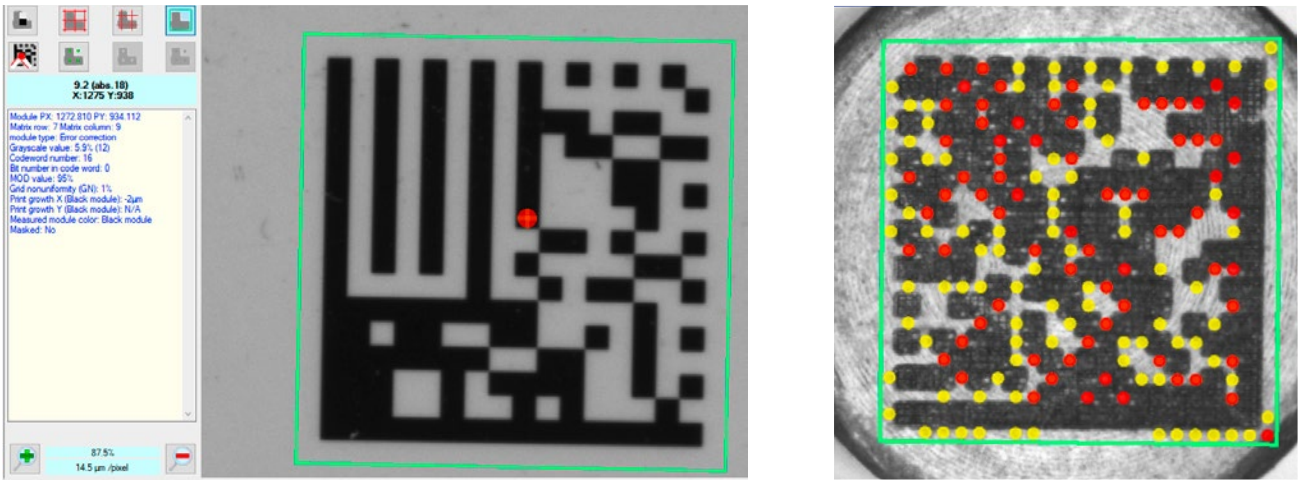


Bar width deviation histogram shows the distribution of deviations in one view.

This allows to correct quickly printer adjustments

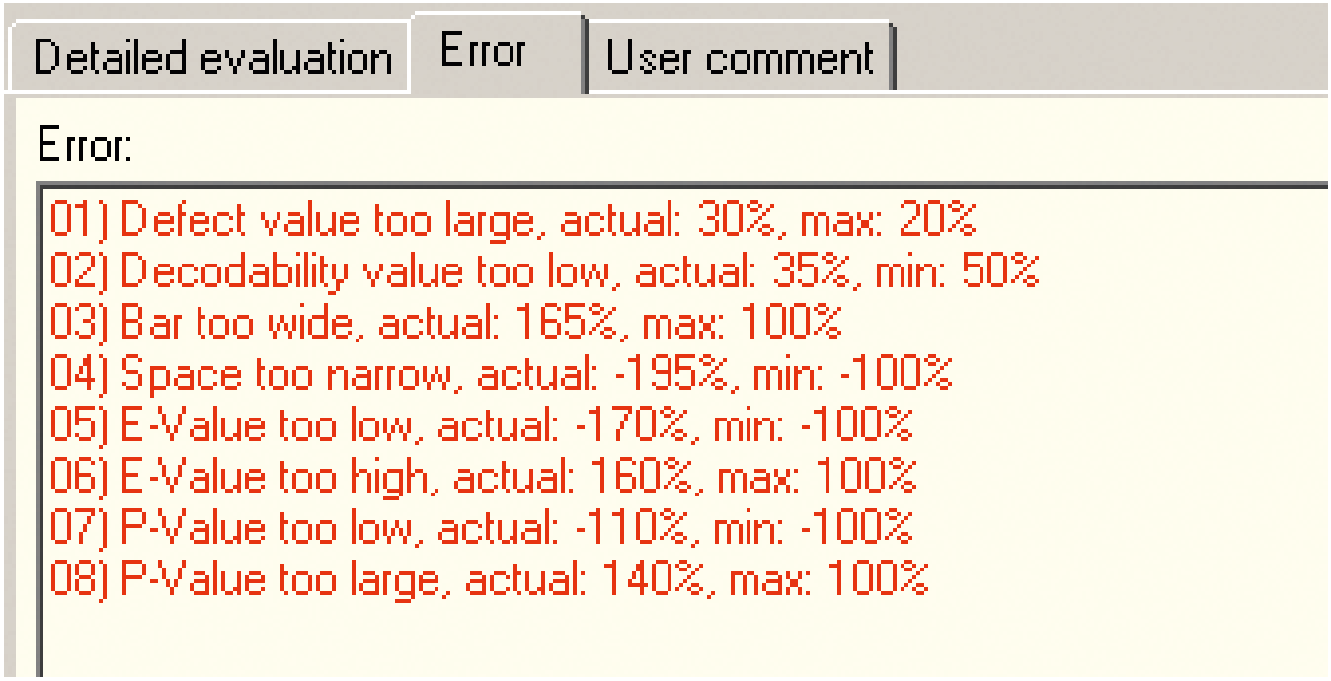
Centrally the reflectance profile of the measured bar code is shown. This provides additional essential information. Details can be enlarged. Specific distances and sizes can be measured directly in the reflectance profile. In case of Matrix (2D) code evaluations the code image replaces the reflectance profile.

In case a customer or supplier installs TransWin 32 without connected REA Verifier then TransWin 32 can be used as report viewer software. Reports can be exported always to PDF format by using a PDF writer software.



Evaluation of a 2D code

REA PC-Scan LD4



Error and Warning list

Features:

- Show evaluation results for barcodes according to ISO/IEC 15416 or ANSI X3.182)
- Show evaluation results of Matrix codes according to ISO/IEC 15415 or ISO/IEC TR 29158 / AIM DPM-1-2006 Specifications
- Visualize optional parameters for print process control
- Complete remote configuration and control of REA Verifiers models Check ER, ScanCheck3, PC-Scan LD4, MLV-2D
- Visualize GS1 codes evaluations according to GS1 General Specifications
- GS1 Report printout
- Visualize verification of GS1 data structures
- Optional parameters like bar deviations can be added as graded parameter to the evaluation
- Auto discrimination of standard symbologies
- Averaging of results of 2 to 10 scans
- Not decoded tries can be, by setup choice, included or excluded
- Enhanced quiet zone verification including border view
- Verification of wide to narrow bar width ratio
- Password protection for settings
- Profile management for complete setup setting with options to clone settings
- Multi language interface
- Comments and references can be added to reports
- Automatic save and print of reports with using an order number as file name prefix
- Data export for data bases or statistical use
- Reliable, flexible and fast communication by using the TCP/IP protocol between Verifier and PC
- The License is valid to install software on several PCs
- Full audit trail support in combination with the REA VeriCube
- Active directory support for Audit Trail function

REA TransWin 32 technical data:

- Fully functional with REA Verifiers PC-Scan LD4, ScanCheck3, Check ER, VeriCube, Data upload, display, storage, parameterization and remote control, graphic display GS1 report
- Visualization of standard symbology verification:
  - EAN-13
  - UPC-A
  - UPC-E without/with ADD-ON
  - EAN-8
  - 2/5 Interleaved with/without check digit
  - ITF-14
  - Frachtpost
  - Code 39 with/without check digit
  - PZN-code
  - Code 32
  - Code 128
  - GS1 128 with data structure check
  - GS1 Databar
- Visualization of optional symbology verification:
  - 2/5 3 Bars
  - 2/5 5 Bars
  - 2/5 IATA
  - 2/5 Baggage
  - 2/5 DHL Express (Frachtpost-code)
  - Code 39 Full ASCII
  - Code 93
  - MSI – Plessey
  - Code 128 UPU
  - Code 39 UPU
  - Code 39 HIBC
  - Code 128 HIBC
  - Codabar Monarch (18)
  - LAETUS Pharmacode
  - LAETUS Mini Pharma code
  - Data Matrix
  - GS1 Data Matrix
  - Direct marked Data Matrix codes (DPM)
  - QR-code
  - Micro QR-code, Aztec Code , Dot code, PDF-417 and Composite code

PC hardware requirements:

- CPU: Minimum requirement of the Windows operating system, Core i5 or better is recommended
- RAM: 4 GB or more
- Hard disk: minimum 500 MB free space
- Display: Color Display: 1280 x 1024 Pixel recommended: 1920 x 1200 Pixel
- Graphics card: according to the requirements of the connected display
- Interface: 1 Ethernet port 1 Gbit/s Recommended: 2nd Ethernet Interface for connection of REA device

System requirements software:

- Operating system: Windows10 or later, 64-bit .NET Framework

REA VeriCube

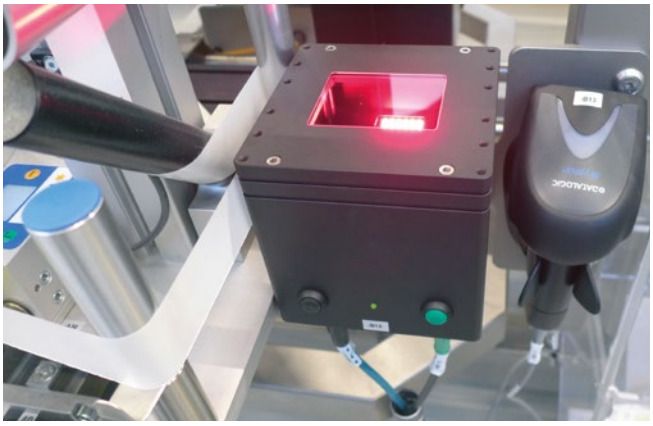
Verification of Data Matrix codes on product packaging

Stand solution for code verification on 3D objects

Flexible verification of barcodes on site

Creation of test reports

Verifying barcodes on metal barrels



Verification on the packaging machine

Measuring of barcodes on print sheets

Print quality verification of barcodes

REA VERIFIER

REA Elektronik GmbH

Teichwiesenstrasse 1

64367 Muehltal

Germany

T: +49 (0)6154 638-0

F: +49 (0)6154 638-195

E: info@rea-verifier.de

www.rea-verifier.com

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