

# TruCheck 401-RL

High Performance  
2D/Bar Code Verification

# Datamatrix Code Verifier

★★★★★  
**TruCheck**

- ISO/IEC 15415-2004
- ISO/IEC 15416-2000
- ISO/IEC 15426/P1-2000
- ISO/IEC 15426/P2-2005
- ISO/IEC 24719
- ISO/IEC 24723
- ISO/IEC 24724
- ISO/IEC 24728
- ISO/IEC 18004
- ISO/IEC 15420
- JIS X 0510
- JIS X 0520
- JIS X 0521-1
- JIS X 0521-2
- JIS X 0522-1
- JIS X 0507

Conformance Specification



CCD based Imager Scanner



Remote Laser Scanner

■ TruCheck series make possible verification in conformance to ISO/JIS/ANSI/EAN\_UCC on both 2D symbologies and linear barcode symbologies, such as

>2D QR/\*Micro QR/Datamatrix/PDF417/Micro PDF417/RSS14 Composite

>Bar Code UPC/EAN, EAN/UCC128, CODE128, CODE39, I 2OF5, CODABAR,

CODE93, PHARMACODE

■ Remote laser scanner provide with evaluation results grades (automatic 10-scan) in conformance to ISO/IEC15416/ JISX0520/ANSI3.182 and Traditional verification .

■ CCD imager scanner provide with evaluation results in grades in conformance to ISO15415/JISX0510

■ WinWedge software (option) is available for easy data transfer to Windows Excel/CSV file.

## Features

TC-201 series verifies all of the major linear symbologies and 2D symbologies such as PDF417 and MicroPDF417 by one unit.

TC-401 401 series verifies 2D Matrix symbologies.

TC401-RL verifies 2D matrix symbologies, 2D stacked symbologies and linear symbologies.

Motorized laser movement

(Automatic 1 0Scan)

CCD based imager

Adopted to traditional verification of MRD value, PCS value or widths of bars and spaces etc., and to ISO/JIS/ANSI evaluation in grades

Complete bar code verification in accordance with the

>ISO/IEC 15416, 15415 specification

>ISO/IEC 15426 specification

>JIS X0520 specification

>JIS X0510 specification

>ANSI X3.182 specification

>EAN/UCC GenSpecs pecification

Film negative mode

Excel/CSV data preservation is easily possible for the WinPC with WinWedge software (optional).

LED Display Green=Pass  
Yellow=Warning  
Red=Fail

Bi-directional Scanning



**QRコード検証データ例**

**WebScan TruCheck**

Tue 30-Aug-2005 11:02:38AM  
Firmware 2.84B

Symbology: QR  
Data:  
Webscan, Inc.


Overall ISO15415 Grade: A  
4.0/05/660

ASCII Values:  
087 056 055 032 048 053 054 032  
032 053 053 032 048 051

General Characteristics:  
QR Size: 21x21 (Data: 21x21)  
Horizontal BWG: 12%  
Vertical BWG: 9%  
Encoded characters: 14  
Total Codewords: 26  
Data Codewords: 19  
Error Correction Budget: 5  
Error Capacity used: 0  
Image is Black on White  
Terminal X Dim = 18.7 mil

QR Codewords:  
40 E5 76 56 27 36 36 16  
E2 C2 02 04 96 E6 32 E0  
EC 11 EC 61 60 91 FD D9  
F1 64  
=Fixed by Error Correction

Print Quality Parameters:  
1.UCC: 100% A Pass  
2.SC: 86% A(92/5) Pass  
3.MOD: A Pass  
4.ANU: 0% A Pass  
5.GNU: 0% A Pass  
6.FPD: A Pass  
7.ULP: A Pass  
8.URP: A Pass  
9.LLP: A Pass  
10.HCT: A Pass  
11.VCT: A Pass  
12.AL: N/A  
13.VIB: A/A  
14.FIB: A Pass



**RSS Composite検証データ例**

**WebScan TruCheck**

UCC Application Format Passes Secondary Component:  
Decoded Composite Data:  
1705073110ABCD789C

RSS14  
DATA FIELD NAME TYPE CHECK  
01 AI 01 String=01 PASSED  
49383652601658 14Digit# NUMS PASSED

UCC Composite Data:  
0149383652601658  
1705073110ABCD789C

Overall Symbol Grade:A(4.0)

Primary Component:  
RSS14:014383652601658

Primary Comp Grade: A(4.0)  
4.0/06/650

ANSI/ISO Parameter AVG Values:  
1.EDGE: 42 A Pass  
2.R1/Rd: 67/5 A Pass  
3.SC: 82% A Pass  
4.MinEC: 65% A Pass  
5.MOD: 80% A Pass  
6.Def: 4% A Pass  
7.DCD: 10/10 A Pass  
8.DEC: 85% A Pass  
9.MinQZ: N/A Pass


Results of each scan

M	i	n	M	D	e	G
S	E	R	i	c	r	a
C	D	E	n	M	D	D
A	G	f	S	E	O	E
N	E	I	C	C	D	F
E	C	C	D	F	e	C
Z	e					

General Characteristics:  
BWG= 0%  
BWG= +0.0 MIL  
Nominal x Dim = 9.7 mil  
MRD = 58% (69-11)

M	i	n	M	D	e	G
S	E	R	i	c	r	a
C	D	E	n	M	D	D
A	G	f	S	E	O	E
N	E	I	C	C	D	F
E	C	C	D	F	e	C
Z	e					

General Characteristics:  
RSS14 is STACKED  
Top Row Grade: A(4.0)  
Bottom Row Grade: A(4.0)  
RSS14 Link Flag is ON  
BWG= 2%  
BWG= +0.2 MIL  
Nominal x Dim = 12.0 mil  
PCS = 94.3%  
MRD = 58% (69-11)



## Specification

MODEL	TC201-R	TC401-R	TC401-RL
Symbologies	PDF417, MicroPDF417, RSS&Composite UCC/EAN-128, EAN/UPC, I2of5, Code39 Code93, Pharmaco	Datamatrix EC200 QR *MicroQR	The following all
Conformance specification	ISO15416/ JISX0520 ISO15415 Traditional	ISO15415 JISX0510	ISO15416/ JISX0520 ISO15415 Traditional
Performance specification	ISO/IEC15426-1 & 2	ISO/IEC15426-2	ISO/IEC15426-1 & 2
Measuring accuracy	±0.038mm		
Aperture	Choice from 3/6/10Mil (6Mil standard)	Enable to choose from 3/6/10/20Mil	Choice from 3/6/10Mil(6Mil standard) Visual field[FOV]18mm x 18mm
Source	Semiconductor Laser 650nm	CCD imager[RED/LED660nm]	Semiconductor Laser 650nm CCD imager[RED/LED660nm]
Dimensions(LxWxD)	406 x 203 x 508mm	406 x 203 x 508mm	406 x 203 x 508mm
Weight	9kg	9kg	9kg
Power	AC110V ± 5 50/60Hz	AC110V ± 5 50/60Hz	AC110V ± 5 50/60Hz
Standard Accessory	Direct Thermal Printer UCC Conformance Standard Test Card	Direct Thermal Printer UCC Conformance Standard Test Card	Direct Thermal Printer UCC Conformance Standard Test Card
Options	Remote Laser Scanning Head (3/10Mil) CCD based imager WinWedge	Remote Laser Scanning Head WinWedge	WinWedge

