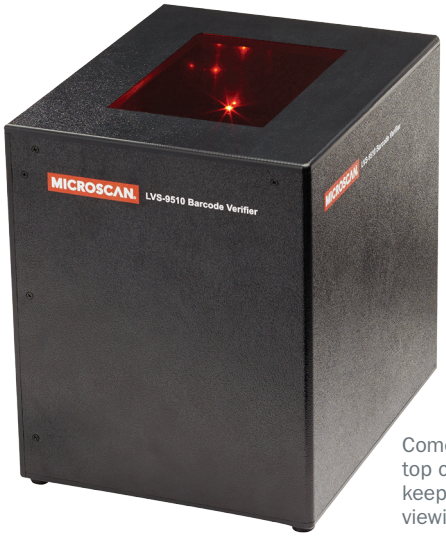
LVS-9510



Comes with handheld top cover (not shown) to keep label in position on viewing window.

LVS-9510: At a Glance

- *Validates to ISO/IEC, ANSI, GS1, and UDI print quality standards.*
- *Software upgrade options include Multi-Sector for verification of multiple barcodes on a label.*
- *21 CFR Part 11 compliant-ready.*
- *Certified by GS1 US.*
- *Supports 15 languages with the ability to add more languages.*
- *Quality data reporting for auditing purposes.*
- *Manage operator permissions using LVS-95XX software or using Microsoft Active Directory.*
- *Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system.*

For more information on this product, visit www.microscan.com.

LVS-9510: Available Symbologies

Linear: Standard, Postal

2D: Data Matrix, QR Code, Micro QR Code, Aztec

Stacked: Micro PDF417, PDF417, GS1 DataBar

Please see the second page for a complete list of supported symbologies.

Desktop Barcode Verification System

The LVS-9510 is a high-performance system for off-line verification of barcodes to ISO/IEC, ANSI, GS1, and UDI standards.

The LVS-9510 is unique in the world of ISO verification due to its ease of use and ability to verify linear (1D) and two-dimensional (2D) codes without any change of equipment. The system automatically determines the symbology and aperture needed to evaluate the code and identifies and highlights trouble spots.

The LVS-9510 offers a "stitching" feature that allows grading of barcodes that are larger than the field of view.

ISO/ANSI for 1D

LVS-95XX series barcode verifiers inspect all nine ISO/ANSI parameters for linear (1D) barcodes, have the ability to identify blemishes, and can perform simple human-readable validation.

ISO/ANSI for 2D

The LVS-95XX series verifies 2D codes and reports all parameters as specified in the applicable symbology specification.

Analytical Tools

Equipped with numerous analytical tools to identify and evaluate barcode errors. Problems are color-coded to make problem solving easy.

Software

LVS-95XX software includes GS1 System Symbol Specification Tables. GS1 tables set standards for barcode data structure and how to maintain the quality of codes during barcode creation. Omron Microscan offers an online training course on GS1 tables and how these apply to different organizations.

Software Upgrade: EAIV

The Enhanced Application Identifier Verification (EAIV) option verifies that all GS1 Application Identifiers, such as Expiration Date, Global Trade Item Number (GTIN), and Batch Number, embedded in the data structure of a GS1 barcode match the data programmed in the EAIV feature by the user.

User Permission Options

Manage permissions through LVS-95XX software: Passwords are stored in a local database. All passwords are encrypted, include an expiration date, and count failed password attempts.

Manage permissions through Microsoft Active Directory: User privileges are based on Microsoft authentication and LVS-95XX permissions are assigned based on group membership.

Field of View Options

- 1.75" (44 mm)
- 3.0" (76 mm)
- 4.0" (102 mm)
- 4.5" (114 mm)
- 6.250" (159 mm)

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LVS-9510 SPECIFICATIONS AND OPTIONS

SUPPORTED STANDARDS

Application Standards
AIAG/DAMA/JAPIA/Odette
ALDI
ISO/IEC TR 29158 (DPM Cat 0)
DHL
FPMAJ
French CIP
GS1 General Specifications
HDMA Guidelines
Health Industry Barcode (HIBC)
IFAH
Italian Pharmacode
Japan Codabar
Laetus Pharmacode
Laetus Standard
MIL-STD-130
Pharmacy Product Number (PPN)
Automatic GS1 or ISO
GS1 (NTIN)
Miniature Pharmacode
Postal (EIB, USPS IMB/Code 128, POSTNET
Japan Post)
PZN-big, normal, small (German Pharmacode)

GS1 US Certification
Data Matrix for Healthcare
Data Matrix (ECC 200)
EAN/UPC
EAN/UPC and extended codes
EAN/UPC with CC
GS1 DataBar Omnidirectional
ITF-14
GS1 DataBar-14 with CC (formerly RSS-14 with CC)
UCC/EAN with Supplementals
UCC/EAN-128
UCC/EAN-128 with CC

ISO Conformance Standards
ISO/IEC 15415, 15416, 15418
ISO/IEC 15426-1, 15426-2
All supported ISO/IEC Symbology Specifications

MECHANICAL

Height: 266.7 mm (10.5")
(Includes rubber feet on system base.)
Width: 282 mm (11.125")
Depth: 230 mm (9.062")
Viewing Window: 127 mm x 177.79 mm (5" x 7")
Weight (Approx.):
Unpackaged standalone weight:
2.72 kg (6.0 lbs.)
Shipping weight (includes all items packaged in shipping box, such as power supply and cables): 5.89 kg (13.0 lbs.)
Top Cover Dimensions:
139.7 mm x 190.5 mm (5.5" x 7.5")
Top Cover Weight:
155.92 g (5.5 oz.)

MINIMUM PC REQUIREMENTS

PC supplied by customer.
Windows® 7 Professional, Windows® 8.1 Pro, or Windows® 10 Pro;
Intel® Core™ i3 or higher;
4 GB RAM;
800 x 600 Screen Resolution;
One USB 2.0 port available per unit.

SUPPORTED SYMBOLOGIES

Linear (1D) Symbologies
Codabar
Code 128, Code 39, Code 93
DataBar
DataBar Expanded and Limited
DataBar Omnidirectional
DataBar Stacked and Truncated
EAN/JAN-13
EAN/JAN-8
Enterprise Intelligent Barcode (EIB)
4-State (4SB)
GS1-128
Hanxin Code
HIBC
Interleaved 2 of 5 (ITF)
ITF-14
Japan Post
MSI Plessey
Pharmacode–Italian and Laetus
PZN 7 and PZN 8
UPC-A and UPC-E
USPS-128
USPS Intelligent Mail Barcode (4-State Customer Barcode)

Two-Dimensional (2D) Symbologies
Aztec
DataBar with CC-A, CC-B, or CC-C
EAN/JAN-13 with CC-A, CC-B, or CC-C
EAN/JAN-8 with CC-A, CC-B, or CC-C
ECC-200 (Data Matrix) including:
- EIB CMDM
- French CIP
- GS1 Data Matrix
- NTIN and PPN

GS1-128 with CC-A, CC-B, or CC-C
MaxiCode
Micro QR Code
MicroPDF417
PDF417
QR Code
UPC-A with CC-A, CC-B, or CC-C
UPC-E with CC-A, CC-B, or CC-C
Note: CC = Composite Components Contact Omron Microscan for a complete list of supported ECC-200 (Data Matrix) codes.

ILLUMINATION

Type: White LEDs; Red filter (660nm)
Optional clear window available for purchase.

ELECTRICAL

Power Input: 12 VDC @ max. 2.5 A

COMMUNICATIONS

USB 2.0 A plug to B plug cable
1.8 m (6 ft.)

CAMERA

Monochrome 5.0 megapixel

ENVIRONMENTAL

Operating Temperature: 10° to 30° C (50° to 86° F)
Storage Temperature: 0° to 40° C (32° to 104° F)
Relative Humidity, Operating: 20% to 80% (non-condensing); Relative Humidity, Storage: 20% to 95% (non-condensing)

21 CFR PART 11

The LVS-9510 is certified by GS1 US and is 21 CFR Part 11 compliant-ready.

CALIBRATION

One of the following options:
EAN/UPC Calibrated Conformance Test Card
GS1-128 Calibrated Conformance Test Card

Calibration Card Part Numbers (Included with System)
9510-5-1.75: EAN/UPC Test Card P/N 98-CAL020
9510-5-3.0: EAN/UPC Test Card P/N 98-CAL020
9510-5-4.0: EAN/UPC Test Card P/N 98-CAL020
9510-5-4.5: EAN/UPC Test Card P/N 98-CAL020
9510-5-6.250: GS1-128 Test Card P/N 98-CAL021

FIELD OF VIEW OPTIONS

Part Number	Minimum X Dimension (Nominal)		Field of View (Approximate)
	1D	2D	
9510-5-1.75	3.0 mil (0.07 mm)	4.5 mil (0.11 mm)	1.75 inches (44 mm)
9510-5-3.0	4.0 mil (0.10 mm)	5.9 mil (0.15 mm)	3.0 inches (76 mm)
9510-5-4.0	6.0 mil (0.15 mm)	9.0 mil (0.23 mm)	4.0 inches (102 mm)
9510-5-4.5	7.0 mil (0.18 mm)	9.8 mil (0.25 mm)	4.5 inches (114 mm)
9510-5-6.250	9.4 mil (0.24 mm)	13.1 mil (0.33 mm)	6.250 inches (159 mm)

SAFETY CERTIFICATIONS DESIGNED FOR

FCC, CE, UL

RoHS COMPLIANT

QMS CERTIFICATION

www.microscan.com/quality

Warranty – For current warranty information about this product, please visit www.microscan.com/warranty.

GS1 US Solution Partner

TÜV USA Member of TÜV NORD Group
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