# LVS-9510



# LVS-9510: At a Glance

- · Validates to ISO/IEC, ANSI, GS1, and UDI print quality
- · 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

Standard Postal Linear Halalalllaaalill Data Matrix Micro QR Code Aztec 2D

Stacked







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. 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)



# LVS-9510 SPECIFICATIONS AND OPTIONS

#### SUPPORTED STANDARDS

#### **Application Standards**

AIAG/DAMA/JAPIA/Odette

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 ISO/IEC 15426-1, 15426-2 ISO/IEC TR 29158 (DPM Cat 0)

All supported ISO/IEC Symbology Specifications

#### **MECHANICAL**

Height: 279.4 mm (11.0")

(Includes rubber feet on system base.)

Width: 279.4 mm (11.0") Depth: 228.6 mm (9.0")

Viewing Window: 120.65 mm x 171.45 mm

(4.75" x 6.75") 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 or Windows® 8.1 Professional Intel® Core™ i3 or higher

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 FAN/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

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 OR Code

MicroPDF417 PDF417 OR 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 Microscan for a complete list of supported ECC-200 (Data Matrix) codes.

#### **ILLUMINATION**

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

# **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: 20% to 70% (no water condensation allowed)

#### 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**

# **OMS CERTIFICATION**

www.microscan.com/quality

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







