LVS-9510

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

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.

LVS-9510: At a Glance

- *Validates to ISO/IEC, 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.automation.omron.com.

LVS-9510: Available Symbologies

	Standard	Postal			
Linear					

	Data Matrix	QR Code	Micro QR Code	Aztec	GS1 Digital Link QR Code
2D					

	Micro PDF417	PDF417		GS1 DataBar	
Stacked					

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

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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SUPPORTED STANDARDS

Application Standards
AIAG/DAMA/JAPIA/Odette
ALDI
DHL
FPMAJ
French CIP
GS1 General Specifications
HDMA Guidelines
Health Industry Barcode (HIBC)
IFAH
Italian Pharmacode
Japan Codabar
Laetus Pharmacode
Laetus Standard
MIL-STD-130N with Change 1
Pharmacy Product Number (PPN)
GS1 (NTIN)
Miniature Pharmacode
Postal (EIB, USPS IMB/Code 128, POSTNET, Japan Post)
PZN (German Pharmacode)

GS1 US Certification
GS1 Data Matrix
GS1 DataBar
GS1 DataBar with CC
ITF-14
EAN/UPC
EAN/UPC with CC
EAN/UPC with Supplementals
GS1-128
GS1-128 with CC
GS1 QR Code
GS1 Digital Link URI

ISO Conformance Standards
ISO/IEC 15418, 15434
ISO/IEC 15426-1, 15426-2

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 11 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
EAN/JAN-13 and EAN/JAN-8
GS1-128
GS1 DataBar Expanded
GS1 DataBar Expanded Stacked
GS1 Databar Limited
GS1 DataBar Omnidirectional
GS1 DataBar Stacked
GS1 DataBar Stacked Omnidirectional
GS1 DataBar Truncated
HIBC
ITF-14
Interleaved 2 of 5
Japan Post
Pharmacode–Italian and Laetus
PZN
UPC-A and UPC-E
USPS-128
Royal Mail Mailmark 4-State (4SB)
USPS Intelligent Mail Barcode (4-State)

Two-Dimensional (2D) Symbologies
Aztec
EAN/UPC with CC-A, CC-B, or CC-C
ECC-200 (Data Matrix) including:
· Data Matrix Rectangular Extension (DMRE)
· Complex Mail Data Mark (CMDM) Royal Mailmark 2D
· French CIP

GS1 DataBar with CC-A, CC-B, or CC-C
GS1 Data Matrix including Digital Link URI
· NTIN and PPN
GS1-128 with CC-A, CC-B, or CC-C
MaxiCode
Micro QR Code
MicroPDF417
PDF417
QR Code
GS1 Digital Link URI QR Code
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.
LED Safety: EN IEC 62368-1 (Risk Group 2)

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
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-CAL040
9510-5-3.0: EAN/UPC Test Card P/N 98-CAL040
9510-5-4.0: EAN/UPC Test Card P/N 98-CAL040
9510-5-4.5: EAN/UPC Test Card P/N 98-CAL040
9510-5-6.250: GS1-128 Test Card P/N 98-CAL041

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

KOREAN RADIO REGULATIONS (KC MARK)

R-REM-MKO-XX-XX

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