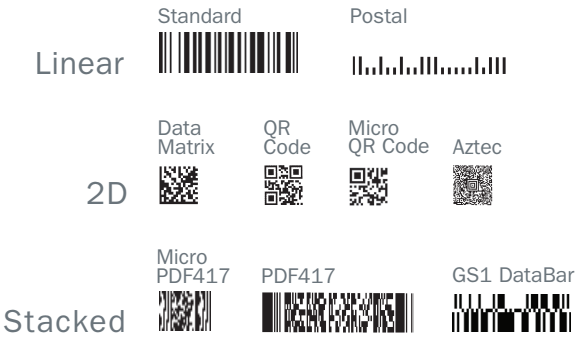
LVS-9570

Handheld omnidirectional verification

LVS-9570: At a Glance

- *Verify long barcodes without the need for stitching.*
- *Lightweight and portable system.*
- *Validates to ISO/IEC, ANSI, GS1, and UDI print quality standards.*
- *21 CFR Part 11 compliant-ready.*
- *Certified by GS1 US.*
- *Supports 15 languages with the ability to add more.*
- *Quality data reporting for auditing purposes.*
- *Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system.*

LVS-9570: Available Symbologies



Handheld Barcode Verification System

The LVS-9570 is a high-performance, lightweight handheld barcode verifier that validates the print quality of 1D and 2D barcode symbologies to ISO/IEC, ANSI, GS1, and UDI standards.

Barcode labels can be verified while on a flat surface, including barcode labels on corrugated cardboard boxes, shipping containers, or on a web.

The LVS-9570 is a line scan, camera-based system. An image of the barcode label is generated by placing the LVS-9570 flat onto the surface of a barcode label and scanning through the barcode label in either a ladder (left to right) or picket fence (top to bottom) orientation.

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.

Line Scan Camera

Uses a 400 DPI line scan camera to verify codes in picket fence or ladder format.

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LVS-9570 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
ISO/IEC TR 29158 (DPM Cat 0)
All supported ISO/IEC Symbology Specifications

MECHANICAL
Total System Height: 101.6 mm (4")
Verifier Height: 54.10 mm (2.13")
Length: 100.08 mm (3.94")
Width: 166.62 mm (6.56")
Weight: 1.04 kg (2.3 lbs.)

OVERALL SCANNING WIDTH
137.16 mm (5.4") in picket fence format

MINIMUM BARCODE X-DIMENSION
1D (Narrow Bar Width):
8.8 mils (.223 mm) (.0088")
2D (Cell Size):
12.5 mils (.317 mm) (.0125")

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.

ILLUMINATION
Type: Red light (660nm)

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.

ELECTRICAL
Connector: USB 2.0

COMMUNICATIONS
USB 2.0 A plug to B plug cable 2 m (6.5 ft.)

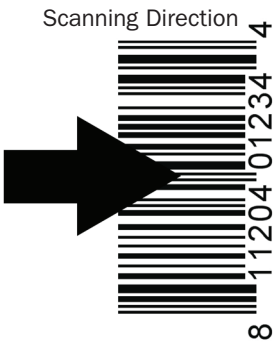
CAMERA
400 DPI floating sensor head

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-9570 is certified by GS1 US and is 21 CFR Part 11 compliant-ready.

CALIBRATION
EAN/UPC Calibrated Conformance Test Card (included with system)

Ladder Orientation



Picket Fence Orientation

SAFETY CERTIFICATIONS DESIGNED FOR
FCC, CE, UL

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