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. 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.

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

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.
- Software upgrade options include Multi-Sector for verification of multiple barcodes on a label.
- 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

<table>
<thead>
<tr>
<th>Linear</th>
<th>Postal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Data Matrix</td>
<td>QR Code</td>
</tr>
<tr>
<td>Micro QR Code</td>
<td>Aztec</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>2D</th>
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<tbody>
<tr>
<td>Micro PDF417</td>
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</table>

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

**SUPPORTED STANDARDS**

**Application Standards**
- AIAG/DAMA/JAPIA/Odette
- ALDI
- ISO/IEC TR 29158 (DPM Cat 0)
- DHL
- FPMK
- 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)

**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)

**SAFETY CERTIFICATIONS**
- Designed for FCC, CE, UL
- RoHS compliant

**QMS CERTIFICATION**
- www.microscan.com/quality

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

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