AIS
VISION SYSTEMS

Omron LVS-9510

Desktop barcode verification system. The LVS-9510 verifies barcodes off-line to ISO/IEC, ANSI, GS1 and UDI standards. It verifies linear (1D) and two-dimensional (2D) codes without changing equipment.



- ISO/IEC, ANSI, GS1 and UDI standards
- 1D and 2D codes
- Automatic symbology and aperture

Comes with a handheld top cover, not shown, to keep the label in position on the viewing window.

Verification

The «stitching» feature allows grading of barcodes larger than the field of view.

Inspects all nine ISO/ANSI parameters for 1D barcodes, identifies blemishes and allows simple human-readable validation. For 2D codes, reports all parameters specified by the applicable symbology specification.

It automatically determines the symbology and aperture needed to evaluate the code and identifies and highlights trouble spots. Analytical tools identify and evaluate errors, with problems highlighted using colour coding.

Certified by GS1 US. 21 CFR Part 11 compliant-ready.
Supports 15 languages, with the ability to add more. Quality data reporting for auditing purposes.
Includes a NIST-traceable calibrated conformance standard test card for calibrating the system.

Software and options
LVS-95XX software includes GS1 System Symbol Specification Tables. They set standards for barcode data structure and how to maintain code quality during creation. Omron Microscan offers online training on GS1 tables and their application to different organisations.

Permissions through LVS-95XX

Passwords are stored encrypted in a local database, include an expiration date and count failed attempts.

Permissions through Microsoft Active Directory

User privileges are based on Microsoft authentication and LVS-95XX permissions are assigned by group membership.

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

Enhanced Application Identifier Verification (EAIV)
Checks that GS1 application identifiers, such as expiration date, GTIN and batch number, embedded in a GS1 barcode data structure match the data programmed in EAIV by the user.

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.

Standards and symbologies

Application standards

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

ISO conformance

ISO/IEC 15415, 15416, 15418; ISO/IEC 15426-1, 15426-2. All supported ISO/IEC symbology specifications.

Linear (1D) symbologies

Codabar; Code 128, Code 39, Code 93; DataBar Expanded, Limited, Omnidirectional, Stacked and Truncated; EAN/JAN-13; EAN/JAN-8; Enterprise Intelligent Barcode (EIB) 4-State (4SB); GS1-128; Hanxin; 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, EAN/JAN-13, EAN/JAN-8, GS1-128, UPC-A and UPC-E with CC-A, CC-B or CC-C; ECC-200 (Data Matrix), including EIB CMDM, French CIP, GS1 Data Matrix, NTIN and PPN; MaxiCode; Micro QR Code; MicroPDF417; PDF417; QR Code. CC: composite components. Contact Omron Microscan for the complete list of supported ECC-200 codes.



Specifications and calibration

Fields of view
1.75″ (44 mm); 3.0″ (76 mm); 4.0″ (102 mm); 4.5″ (114 mm); 6.250″ (159 mm), approximate.

Part number	Nominal min. X 1D (mil / mm)	Nominal min. X 2D (mil / mm)	Field of view
9510-5-1.75	3.0 / 0.07	4.5 / 0.11	1.75″ / 44 mm
9510-5-3.0	4.0 / 0.10	5.9 / 0.15	3.0″ / 76 mm
9510-5-4.0	6.0 / 0.15	9.0 / 0.23	4.0″ / 102 mm
9510-5-4.5	7.0 / 0.18	9.8 / 0.25	4.5″ / 114 mm
9510-5-6.250	9.4 / 0.24	13.1 / 0.33	6.250″ / 159 mm

Dimensions	266.7 × 282 × 230 mm (height, width, depth); includes rubber feet
Viewing window	127 × 177.79 mm (5″ × 7″)
Weight	2.72 kg unpackaged; 5.89 kg shipping, including supply and cables
Top cover	139.7 × 190.5 mm; 155.92 g
Customer PC	Windows 7 Professional, Windows 8.1 Pro or Windows 10 Pro; Intel Core i3 or higher; 4 GB RAM; 800 × 600 screen; one USB 2.0 port per unit
Illumination	White LEDs; red filter (660 nm). Optional clear window
Power input	12 V DC, max. 2.5 A
Communication	USB 2.0 A plug to B plug cable, 1.8 m
Camera	Monochrome, 5.0 megapixels
Temperature	10 to 30 °C operating; 0 to 40 °C storage
Relative humidity	20 to 80% operating; 20 to 95% storage, non-condensing
Safety and quality	Designed for FCC, CE, UL; RoHS compliant; ISO 9001 registered
Calibration	EAN/UPC or GS1-128 calibrated conformance test card. Models 9510-5-1.75, -3.0, -4.0 and -4.5: EAN/UPC P/N 98-CAL020. Model 9510-5-6.250: GS1-128 P/N 98-CAL021. Included with system

Request a demo

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