LVS–9585

Portable Barcode Verification System

The LVS-9585 is a high-performance handheld solution for offline barcode verification to ISO/IEC and GS1 standards. Featuring a high-resolution 5.0 megapixel camera, the LVS-9585 reads and analyzes linear (1D) and two-dimensional (2D) codes up to 76.19 mm (3.0 in.) wide and up to 57.15 mm (2.25 in.) tall. 1D and 2D direct part marks (DPM) of up to 44 mm x 44 mm (1.75" x 1.75") can be verified to MIL-STD-130, ISO, and GS1 standards.

The LVS-9585 verifies multiple symbologies, including any combination of linear, 2D (Data Matrix, QR Code, and Aztec), and stacked linear (PDF417, MicroPDF, and Composite).

Powered by a 6.5-foot (2.0 m) USB 2.0 cable, the LVS-9585 verifies barcodes on a wide range of surfaces including plastics, PCBs, metal, cardboard, and shipping containers.

LVS – 9585: At a Glance

- *Stitching feature to grade barcodes larger than the field of view.*
- *Ideal for multiple line production and warehouse environments.*
- *Validates printed barcodes to ISO/IEC, GS1, and UDI print quality standards.*
- *Verifies direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards.*
- *High resolution version verifies 2D symbols as small as 2 mil (50 μ) cell size.*
- *Software upgrade options include Multi-Sector for verification of multiple barcodes on a label.*
- *21 CFR Part 11 compliant-ready.*
- *Supports 15 languages with the ability to add more.*
- *Quality data reporting for auditing purposes.*
- *Includes NIST-Traceable Calibrated Conformance Standard Test Card for system calibration.*
- *Optional adjustable mounting stand adapter.*

For more information, visit [www.stratixcorp.com.](http://www.stratixcorp.com)

LVS – 9585: Available Symbologies

	Standard	Postal
Linear		

	Data Matrix	QR Code	Micro QR Code	Aztec
2D				

	Micro PDF417	PDF417	GS1 DataBar
Stacked			

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

ISO for 1D
LVS-95XX series barcode verifiers inspect all nine ISO parameters for linear (1D) barcodes, can identify blemishes, and can perform simple human- readable validation.

ISO 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.

Portability
Connects to the latest Windows OS tablets.

Field of View
- 76 mm (3.0") horizontal
- 57.15 mm (2.25") vertical
- DPM: 44 mm (1.75") x 44 mm (1.75")
- HD: 33 mm (1.3") x 25 mm (1.0")

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LVS–9585 SPECIFICATIONS AND OPTIONS

SUPPORTED STANDARDS
Application Standards
AIAG/DAMA/JAPIA/Odette
ISO/IEC TR 29158 (DPM Cat 0, 1, 2)
DHL
FPMAJ
French CIP
GS1 General Specifications
HDMA Guidelines
Health Industry Barcode (HIBC)
Japan Codabar
Laetus Pharmacode
Laetus Standard
MIL-STD-130N
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, 1, 2)
All supported ISO/IEC Symbology Specifications

MECHANICAL
Height: 215.9 mm (8.5")
Width: 120.6 mm (4.75")
Depth: 139.7 mm (5.5")
Unpackaged weight:
0.68 kg (1 lb. 8 oz.)
Shipping weight (includes all cables and other items packaged in shipping box):
Approx. 1.51 kg (3 lbs. 5 oz.)

FIELD OF VIEW
Standard: 76.19 mm (3.0") horizontal
57.15 mm (2.25") vertical
DPM: 44 mm (1.75") x 44 mm (1.75")
HD: 33 mm (1.3") x 30 mm (1.0")

MINIMUM BARCODE X-DIMENSION
1D = 4.0 mil (0.10 mm)
2D = 5.9 mil (0.15 mm)
HD: 2D = 2.0 mil (0.05 mm)

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.

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
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 (non-DPM)
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.

ILLUMINATION
Type: Red dome (660 nm); White dome, 30° angle

ELECTRICAL
USB powered 5 VDC @ 180 mA

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

CAMERA
5.0 megapixel camera
Object distance: Contact

ENVIRONMENTAL
Operating Temperature: 4° to 46° C (40° to 115° F)
Relative Humidity, Operating: 20% to 80% (non-condensing); Relative Humidity, Storage: 20% to 95% (non-condensing)

21 CFR PART 11
The LVS-9585 is certified by GS1 US and is 21 CFR Part 11 compliant-ready.

CALIBRATION
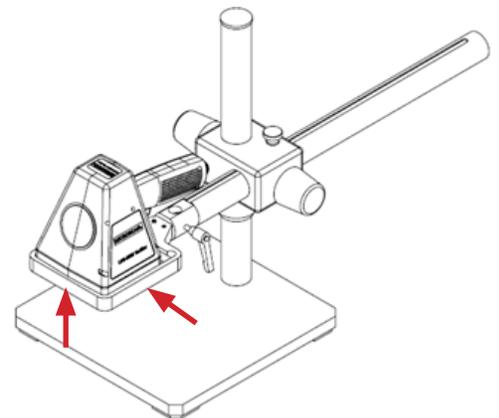Calibrated conformance test card (included with system)

OPTIONS

LVS-9580/9585 Mounting Stand Adapter Bracket Part Number 98-9000200-01
This adapter bracket is designed for use with an Amscope model BSS-140 stand. Together with the BSS-140, the assembly allows the verifier to be held in a fixed position, raised to a 368 mm maximum height and 495 mm horizontal adjustment. The verifier can be rotated a full 360 degrees while mounted, allowing for alignment against the DPM symbol for a broad variety of parts.

Dimensions: 711 mm (28") Width x 406 mm (16") Height x 254 mm (10") Depth
Weight: 14.5 kg (32 lb.)

SAFETY CERTIFICATIONS DESIGNED FOR
FCC, CE, UL

RoHS COMPLIANT

QMS CERTIFICATION
www.microscan.com/quality

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