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LVS-95XX Software 4.3.0.3006 – Release Notes

Summary:

LVS-95XX Software, Omron Microscan’s proprietary 1D and 2D symbol verification software for use with all LVS-95XX products, provides an intuitive way to verify virtually any symbology to a wide variety of standards. LVS-95XX Software supports Windows® 7 Professional and Windows® 10 Pro. Version 4.3.0.3006 will begin shipping with products built at Omron Microscan by December 18, 2017.



Feature	Description	Benefits
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Updated Product Performance



Improved DPM Functionality

- Grading performance improvements for LVS-9580 DPM and LVS-9585 DPM.

General Improvements

Multiple Functionality and Performance Improvements

- User interface enhancements.
- Product firmware enhancements.
- Functionality enhancements.
- Bug fixes.

Note: You must first uninstall previous versions of LVS-95XX Software before installing version 4.3.0.XXX. Please see the following pages for more detail about updates and improvements. A complete software version history is available from the archive tab of LVS-95XX software.

LVS-95XX Software Features

- For use with all LVS-95XX Products. See restrictions listed in the New Features, Updates, and Improvements section on the following page.
- Comprehensive support of symbologies and verification standards.
- Intuitive user interface.
- Software upgrade options include Multi-Sector Barcode Verification and Enhanced Application Identifier Verification (EAIV).

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New Features, Updates, and Improvements

This new version of LVS-95XX Software includes several improvements and additions to functionality.

- All LVS-95XX products support this version of the software.
- Updated functionality to comply with ISO/IEC15416:2016.
- Improved DPM grading performance compared to v. 4.2.0 with greater ability to find the DPM symbol quickly using Auto-Sector functionality.
- Included changes for the GS1 General Specification v. 17.1 July 2017 update.
- Streamlined software installation process, with fewer driver installation steps.
- Removed support for Lumenera cameras (primarily sold before 2012), used in LVS-9570, LVS-9500, LVS-9505, and first-generation LVS-9510.
- Added Traditional Chinese language (Taiwan) and character set.

LVS-95XX Software Version History November 2017 – January 2016

A summary of software changes from January 2016 through November 2017 is shown below. A complete software version history is available from the archive tab of LVS-95XX Software.

Version	Release Date	Comment
4.3.0.3006	08-Nov-2017	Allow user to disable decimal grading without using password of the day.
4.3.0.3006	08-Nov-2017	Default setting that provides decimal grading as default for grading parameters.
4.3.0.3003	20-Oct-2017	Extend maximum length of AIs 91 through 99 to be 90 characters.
4.3.0.3xxx	20-Oct-2017	Include decimal for Rmin, Rmax, and GT.
4.3.0.1xxx	18-Oct-2017	Implement ISO/IEC 15416:2016(E) interpolation rule
4.2.1.3xxx	16-Sep-2017	Automatically detect and draw blue sector box around symbol in DPM mod.
4.2.0.3xxx	08-Sep-2017	Implement ability to read QR Codes when set for DPM.
4.2.0.3xxx	23-Aug-2017	Fix HIBC error when code switch occurs inside \$\$+7 format.
4.2.0.3xxx	23-Aug-2017	Update Japanese Translation File.
4.2.0.3xxx	06-Jul-2017	Fix error in PZN check digit calculation for 2D symbols.
4.2.0.3xxx	06-Jul-2017	Implement new clock track tracking algorithm for DPM.
4.2.0.3xxx	06-Jul-2017	Show additional lighting information.
4.2.0.3xxx	06-Jul-2017	Drop support of Lumenera cameras.
4.2.0.3xxx	06-Jul-2017	Implement more sophisticated event handler.
4.2.0.3xxx	06-Jul-2017	Improve build info displayed when double-clicking version.
4.2.0.3xxx	06-Jul-2017	Include changes from GS1 General Specifications V17.
4.2.0.3xxx	06-Jul-2017	Show HIBC structure if DPM and first character is a '+'.
4.2.0.3xxx	06-Jul-2017	Support Taiwan language and character set.
4.2.0.3xxx	06-Jul-2017	Upgrade to Visual Studio 2015 runtime.
4.2.0.3xxx	06-Jul-2017	Use dfu-programmer instead of Atmel Flip.
4.2.0.3xxx	06-Jul-2017	Use Inno Setup instead of InstallShield.
4.1.0j	23-Jan-2017	Fix overly bright images when upgrading which only affects certain LVS-9580s.
4.1.0i	13-Jan-2017	Fix bug related to blank passwords and ActiveDirectory.
4.1.0i	13-Jan-2017	Remove logic to detect contrast label during calibration, as it is unreliable.
4.1.0i	13-Jan-2017	Update Polish translation file.
4.1.0h	10-Jan-2017	Fix exposure decimal places.
4.1.0g	27-Dec-2016	Accept GS1-128 calibration card.
4.1.0g	27-Dec-2016	Avoid overflow error while minimized.
4.1.0g	27-Dec-2016	Avoid overly bright images when upgrading from older versions.
4.1.0g	27-Dec-2016	Fix problem with calibration with bright images.
4.1.0g	27-Dec-2016	Fix symbology errors on tables 7.2, 7.3, and 7.4.
4.1.0g	27-Dec-2016	Improve system responsiveness during focus calibration.
4.1.0f	07-Nov-2016	Fix calibration not being reloaded when shortcut key used to change application standard.
4.1.0f	07-Nov-2016	Update 0410 Italian translation.
4.1.0e	04-Nov-2016	Don't report 'D' for dome lighting on non-LVS-9580 systems.
4.1.0e	04-Nov-2016	Eliminate image jumping once image is stable.
4.1.0e	04-Nov-2016	Fix problem with reference reports and SQL Server.
4.1.0e	04-Nov-2016	Fix update problem with MySQL.

4.1.0e	04-Nov-2016	Reload calibration when changing application standards.
4.1.0e	04-Nov-2016	Update manuals.
4.1.0d	20-Oct-2016	Don't allow Data Matrix when set for MIL-STD-130N Linear (1D).
4.1.0d	20-Oct-2016	Fix stitching with LVS-9510/ LVS-9580/ LVS-9585.
4.1.0d	20-Oct-2016	Update CompactLvsDB to include Microscan in search.
4.1.0c	18-Oct-2016	Fix comma vs. period for GS1SpecificationTables.
4.1.0c	18-Oct-2016	Fix MicroPDF vs. Interleaved 2 of 5 misread.
4.1.0c	18-Oct-2016	Record structure information in database so it can be recalled and reprinted.
4.1.0c	18-Oct-2016	Try to read QR Code when set for DPM.
4.1.0b	11-Oct-2016	Grade tilted DPM but issue warning if applicable.
4.1.0b	11-Oct-2016	Implement non-integral exposure.
4.1.0a	05-Oct-2016	Avoid error when review report earlier than the latest report.
4.1.0a	05-Oct-2016	Don't accept Defects symbol in calibration mode.
4.1.0a	05-Oct-2016	Fix calibration not working in Manual grading mode.
4.1.0a	05-Oct-2016	Plot Micro QRCode format cells properly.
4.1.0a	05-Oct-2016	Show LVS-9585 as a choice on optional features.
4.1.0a	05-Oct-2016	Show green crosshair on LVS-9580 while moving.
4.1.0a	05-Oct-2016	Show yellow border while trigger is held.
4.1.0	27-Sep-2016	Fix problems when interrupting processing.
4.1.0	27-Sep-2016	Fix problems when switching cameras.
4.1.0	27-Sep-2016	Instead of beeping, delay operations where possible.
4.0.0n	23-Sep-2016	Implement GS1 Table 7.
4.0.0m	19-Sep-2016	Finish DPM2 implementation.
4.0.0m	19-Sep-2016	Fix HIBC link character.
4.0.0m	19-Sep-2016	Implement new background/multithread model for slower operations.
4.0.0m	19-Sep-2016	Remember AutoPrint setting and don't reset when changing tabs.
4.0.0L	02-Sep-2016	Placeholder for unreleased version.
4.0.0k	26-Aug-2016	Changes to Speedup creation of users from Active Directory.
4.0.0k	26-Aug-2016	Fix HIBC issue - Unrecognized data identifier.
4.0.0j	07-Jun-2016	Fixed issue with SQL dB, file access error 75 for Windows users without admin rights.
4.0.0h	25-Apr-2016	Add 2D symbologies to GS1 table 4.
4.0.0h	25-Apr-2016	Add 2D symbologies to GS1 table 7.
4.0.0h	25-Apr-2016	Added AI (394) Percentage discount of a coupon.
4.0.0h	25-Apr-2016	Added AI (8012) Software version.
4.0.0h	25-Apr-2016	Added AI (8111) Loyalty points of a coupon.
4.0.0h	25-Apr-2016	Change GS1-128 Table 11 aperture to 5.
4.0.0h	25-Apr-2016	Clean up and sort translation files.
4.0.0h	25-Apr-2016	Fix Active Directory bug when there are no users in the LVS All Users group.
4.0.0h	25-Apr-2016	Fix problem misidentifying older LVS-9580 units.
4.0.0h	25-Apr-2016	Fixed incorrect error about missing leader bars in Data Matrix codes.
4.0.0h	25-Apr-2016	Fixed missing AI (30) in AI report.
4.0.0h	25-Apr-2016	Remove obsolete manuals.
4.0.0h	25-Apr-2016	Try more persistently to read UPC/EAN codes with a wrong check digit.
4.0.0h	25-Apr-2016	Use data identifiers for MIL-STD-130N.
4.0.0g	10-Mar-2016	Fix ConfirmEngineType to catch Microsoft SQL 2014.
4.0.0g	10-Mar-2016	Fix MySQL MaxValue is reserved keyword; add delimiters when engine type is MySQL.
4.0.0g	10-Mar-2016	Fix SQL Stmt. error in ActiveDirectoryIntegration. Use UPPER for MySQL and MSSQL.
4.0.0g	10-Mar-2016	Fix error in ExportReferenceCommand by using MSSQL Database.
4.0.0g	10-Mar-2016	Improve Microscan logo.
4.0.0g	10-Mar-2016	Include rebranded manuals.
4.0.0g	10-Mar-2016	Restore internal designations of Atmel-based LVS-9570 units.
4.0.0g	10-Mar-2016	Revert translation files pending redesign.
4.0.0f	04-Feb-2016	Bump revision letter.
4.0.0e	02-Feb-2016	Include proper AIs in report for composite symbols.
4.0.0e	02-Feb-2016	Include separate structure reports for 1D and 2D if applicable.

4.0.0e	02-Feb-2016	Preserve ActiveDirectory settings when copying database.
4.0.0d	27-Jan-2016	Change default exposure for LVS-9580 from 40 to 70 ms.
4.0.0d	27-Jan-2016	Support new red/white lighting for LVS-9580 camera.
4.0.0c	24-Jan-2016	Add ActiveDirectory Log file and form setting to enable.
4.0.0c	24-Jan-2016	Add progress bar when creating operators from Active Directory.
4.0.0c	24-Jan-2016	Correct bug in Active Directory CreateUsersFromAD.
4.0.0c	24-Jan-2016	Fix HTML characters in "Manufactured By" field.
4.0.0c	24-Jan-2016	Fix unwritable UniCombo controls.
4.0.0c	24-Jan-2016	Rename old registry values.
4.0.0b	18-Jan-2016	Add ActiveDirectory Log file and form setting to enable.
4.0.0b	18-Jan-2016	Add progress bar with creating operators from Active Directory.
4.0.0b	18-Jan-2016	Correct bug in Active Directory CreateUsersFromAD.
4.0.0b	18-Jan-2016	Correct bug in new Data Matrix locator algorithm.
4.0.0a	13-Jan-2016	Improve Data Matrix locator algorithm.
4.0.0	06-Jan-2016	Rebrand as Microscan.
4.0.0	06-Jan-2016	Set modulation to 0 for scan lines which fail edge determination.