

OBSOLESCENCE NOTICE

MATRIX VISISET SERIES

Datalogic announces **the Matrix Visiset Series 2D imager models** will be discontinued and declared obsolete starting

December 31, 2018

These models are replaced by the **Matrix N Series embedding DL.Code**, the latest generation of industrial 2D imagers that deliver superior decoding performance, and easier setup and use. The Matrix N-Series are fully compatible with the existing Matrix accessories.

Below is the complete list of discontinued models:

MATRIX 210	
Part Number	Description
937501038	MATRIX 210 211-000 WVGA-NEAR-90-25P-ST
937501132	MATRIX 210 211-001 WVGA-NEAR-90-25P-ES
937501042	MATRIX 210 211-010 WVGA-NEAR-90-ETH-ST
937501136	MATRIX 210 211-011 WVGA-NEAR-90-ETH-ES
937501224	MATRIX 210 211-012 WVGA-NEAR-90-ETH-ESYF
937501046	MATRIX 210 211-020 WVGA-NEAR-90-USB-ST
937501140	MATRIX 210 211-021 WVGA-NEAR-90-USB-ES
937501026	MATRIX 210 211-100 WVGA-NEAR-25P-ST
937501120	MATRIX 210 211-101 WVGA-NEAR-25P-ES
937501030	MATRIX 210 211-110 WVGA-NEAR-ETH-ST
937501124	MATRIX 210 211-111 WVGA-NEAR-ETH-ES
937501220	MATRIX 210 211-112 WVGA-NEAR-ETH-ESYF
937501034	MATRIX 210 211-120 WVGA-NEAR-USB-ST
937501128	MATRIX 210 211-121 WVGA-NEAR-USB-ES
937501039	MATRIX 210 212-000 WVGA-MED-90-25P-ST
937501133	MATRIX 210 212-001 WVGA-MED-90-25P-ES
937501043	MATRIX 210 212-010 WVGA-MED-90-ETH-ST
937501137	MATRIX 210 212-011 WVGA-MED-90-ETH-ES
937501225	MATRIX 210 212-012 WVGA-MED-90-ETH-ESYF
937501047	MATRIX 210 212-020 WVGA-MED-90-USB-ST
937501141	MATRIX 210 212-021 WVGA-MED-90-USB-ES
937501027	MATRIX 210 212-100 WVGA-MED-25P-ST
937501121	MATRIX 210 212-101 WVGA-MED-25P-ES
937501031	MATRIX 210 212-110 WVGA-MED-ETH-ST
937501125	MATRIX 210 212-111 WVGA-MED-ETH-ES
937501221	MATRIX 210 212-112 WVGA-MED-ETH-ESYF



937501035	MATRIX 210 212-120 WVGA-MED-USB-ST
937501129	MATRIX 210 212-121 WVGA-MED-USB-ES
937501231	MATRIX 210 213-000 SH4626
937501040	MATRIX 210 213-000 WVGA-FAR-90-25P-ST
937501134	MATRIX 210 213-001 WVGA-FAR-90-25P-ES
937501044	MATRIX 210 213-010 WVGA-FAR-90-ETH-ST
937501138	MATRIX 210 213-011 WVGA-FAR-90-ETH-ES
937501226	MATRIX 210 213-012 WVGA-FAR-90-ETH-ESYF
937501048	MATRIX 210 213-020 WVGA-FAR-90-USB-ST
937501142	MATRIX 210 213-021 WVGA-FAR-90-USB-ES
937501237	MATRIX 210 213-100 SH4861
937501028	MATRIX 210 213-100 WVGA-FAR-25P-ST
937501122	MATRIX 210 213-101 WVGA-FAR-25P-ES
937501032	MATRIX 210 213-110 WVGA-FAR-ETH-ST
937501126	MATRIX 210 213-111 WVGA-FAR-ETH-ES
937501222	MATRIX 210 213-112 WVGA-FAR-ETH-ESYF
937501232	MATRIX 210 213-120 SB4659
937501036	MATRIX 210 213-120 WVGA-FAR-USB-ST
937501130	MATRIX 210 213-121 WVGA-FAR-USB-ES
937501041	MATRIX 210 214-000 WVGA-UHD-90-25P-ST
937501135	MATRIX 210 214-001 WVGA-UHD-90-25P-ES
937501045	MATRIX 210 214-010 WVGA-UHD-90-ETH-ST
937501139	MATRIX 210 214-011 WVGA-UHD-90-ETH-ES
937501227	MATRIX 210 214-012 WVGA-UHD-90-ETH-ESYF
937501049	MATRIX 210 214-020 WVGA-UHD-90-USB-ST
937501143	MATRIX 210 214-021 WVGA-UHD-90-USB-ES
937501029	MATRIX 210 214-100 WVGA-UHD-25P-ST
937501123	MATRIX 210 214-101 WVGA-UHD-25P-ES
937501033	MATRIX 210 214-110 WVGA-UHD-ETH-ST
937501127	MATRIX 210 214-111 WVGA-UHD-ETH-ES
937501223	MATRIX 210 214-112 WVGA-UHD-ETH-ESYF
937501037	MATRIX 210 214-120 WVGA-UHD-USB-ST
937501131	MATRIX 210 214-121 WVGA-UHD-USB-ES
937500021	MATRIX 210 225-111 WVGA-LL-DPM-D-ETH-ES
937500022	MATRIX 210 225-112 WVGA-LL-DPM-D-ETH-ESY
937501233	MATRIX 210-211-010 SH4664
937501229	MATRIX 210-211-100 SH4550
937501230	MATRIX 210-213-100 SH4575
937501234	MATRIX 210-213-120 SB4670
937501236	MATRIX 210-225-111 SB4823



MATRIX 300	
Part Number	Description
937600001	MATRIX 300 401-010 LNS-6MM
937600002	MATRIX 300 402-010 LQL-9MM
937600008	MATRIX 300 402-040 LQL-9MM POE
937600030	MATRIX 300 411-010 LNS-6 RED WIDE STD
937600032	MATRIX 300 411-011 LNS-6 RED WIDE ESD
937600034	MATRIX 300 411-012 LNS-6 RED WIDE ESYF
937600036	MATRIX 300 411-040 LNS-6 RED WIDE POE
937600038	MATRIX 300 411-042 LNS-6 REDWIDE POEESYF
937600010	MATRIX 300 412-010 LQL-9 RED WIDE STD
937600049	MATRIX 300 412-010 SS4806
937600014	MATRIX 300 412-011 LQL-9 RED WIDE ESD
937600018	MATRIX 300 412-012 LQL-9 RED WIDE ESYF
937600022	MATRIX 300 412-040 LQL-9 RED WIDE POE
937600011	MATRIX 300 452-010 LQL-9 WHT WIDE STD
937600015	MATRIX 300 452-011 LQL-9 WHT WIDE ESD
937600019	MATRIX 300 452-012 LQL-9 WHT WIDE ESYF
937600023	MATRIX 300 452-040 LQL-9 WHT WIDE POE
937600012	MATRIX 300 472-010 LQL-9 LT-DPM STD
937600016	MATRIX 300 472-011 LQL-9 LT-DPM ESD
937600020	MATRIX 300 472-012 LQL-9 LT-DPM ESYF
937600024	MATRIX 300 472-040 LQL-9 LT-DPM POE
937600026	MATRIX 300 472-041 LQL-9 LT-DPM POE ESD
937600028	MATRIX 300 472-042 LQL-9 LT-DPM POE ESYF
937600031	MATRIX 300 481-010 LNS-6 MLT-DPM STD
937600033	MATRIX 300 481-011 LNS-6 MLT-DPM ESD
937600035	MATRIX 300 481-012 LNS-6 MLT-DPM ESYF
937600037	MATRIX 300 481-040 LNS-6 MLT-DPM POE
937600039	MATRIX 300 481-042 LNS-6 MLT-DPM POEESYF
937600013	MATRIX 300 482-010 LQL-9 MLT-DPM STD
937600017	MATRIX 300 482-011 LQL-9 MLT-DPM ESD
937600021	MATRIX 300 482-012 LQL-9 MLT-DPM ESYF
937600025	MATRIX 300 482-040 LQL-9 MLT-DPM POE
937600027	MATRIX 300 482-041 LQL-9 MLT-DPM POE ESD
937600029	MATRIX 300 482-042 LQL-9 MLT-DPM POEESYF



Matrix 410	
Part Number	Description
937401031	MATRIX 410 400-000 SXGA-BS-CM-SER-STD
937401032	MATRIX 410 400-010 SXGA-BS-CM-ETH-STD
937401033	MATRIX 410 600-000 UXGA-BS-CM-SER-STD
937401042	MATRIX 410 600-010 SH4406
937401034	MATRIX 410 600-010 UXGA-BS-CM-ETH-STD
937401058	MATRIX 410 655-010 ASSY LT020 LNS35
937401061	MATRIX 410-600-010 SB4570

Matrix 450	
Part Number	Description
937400024	MATRIX 450 800-030 5MP GIGE
5937400044	MATRIX 450 800-030 SB5021
937400027	MATRIX 450-800-030 SB4625
937400026	MATRIX 450-800-030 SB4669

Replacement product

The following replacement applies:

Matrix 210 → MATRIX 210N
 Matrix 300 → MATRIX 300N
 Matrix 410 → MATRIX 410N
 Matrix 450 → MATRIX 450N

Reason of discontinuity

The reason of discontinuity is the availability of DL.Code configuration software with enhanced features over the Visiset configuration software. Visiset products cannot support new DL.Code, for this reason a complete replacement is recommended.

DL.Code is the configuration software for Matrix Series with the exception of STS400 product line and related assemblies.

From January 1st, 2017 no new development will be performed on Visiset software; the software will only be maintained to guarantee the standard life cycle.



Last Buy Orders

Last buy orders must be entered before December 31, 2018. Delivery time will be confirmed at receipt of the specific order. Since some hardware components may be no longer available, Datalogic reserves the right to refuse Purchase Orders when the stock is exhausted.

Repair Policy

The discontinued models will be repaired for a period of 5 years starting at the obsolescence date. Should the repair be not possible, Datalogic will replace the defected unit with a new equivalent model.

DATALOGIC AUTOMATION s.r.l.

Cosimo Capuzzello
Identification BU General Manager

Giuseppe Centola
BU ID Product Manager





READY. SET. READ.

DL.CODE Configuration & Performance Optimization Software

MATRIX N LINE is a new product line equipped with state-of-the-art software.

EASY TO USE: Eliminate training costs with an intuitive graphical user interface. With features like smart parameter display, linked parameter help information, and graphical code setups, anyone can program the Matrix N imagers.

- ***FLEXIBLE:*** Different image acquisition settings improve reading performance and accommodate multiple code types. Up to 10 independent image setups are displayed
- ***SMART PARAMETER DISPLAY:*** Only the relevant parameters for the active configuration step are displayed.
- ***EASILY ACCESSIBLE HELP INFORMATION:*** Every parameter is linked with the on-line help session. Directly access help information by clicking on the parameter name in configuration view. No searching is required.
- ***INCREASED THROUGHPUT FOR CRITICAL SORTATION OR TRACK AND TRACE APPLICATIONS:*** MATRIX N 300™ and MATRIX N 410™ utilize PackTrack, a powerful embedded tracking solution for single or multisided imager arrays. PackTrack solves sorting applications with small gaps between objects as well as delivering superior performance on damaged or plastic covered bar codes. This unique software captures codes multiple times during transit resulting in redundant captures of the bar code.



FAST & RELIABLE CONFIGURATION: Quickly and accurately configure devices using drag and drop message formatting, parameter display optimization, and immediate visual feedback on parameter changes.

- ***GRAPHICAL SETUP DISPLAY:*** Graphical configuration feedback improves the speed and ease of use for setups. Users no longer need to inspect every parameter value.
- ***DRAW AND DROP FOR DATA MESSAGE AND FORMAT CONFIGURATIONS:*** Drag and drop message and format

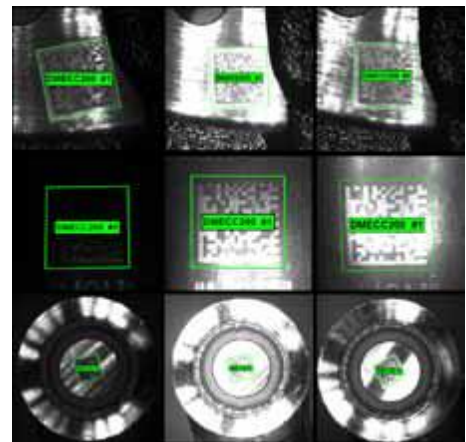


configurations using the graphical approach to data formatting. The result is an easy and reliable operation.

- **FAST AND RELIABLE VERIFICATION OF PARAMETER CHANGES:** Parameter changes are instantly verified through the reader output on the console panel. A fast, easy, and reliable way to validate the setup
- **CONFIGURATION MANAGEMENT IMPROVES EFFICIENCY AND PRECISION:** Multiple configurations can be stored on the Matrix N devices, enabling on-the-fly changes for production batches. Machine builders can standardize on a global setup dynamically selecting an approved configuration for specific machines.

HIGH PERFORMANCE: Maximize the speed and performance of Matrix N devices with automated auto learn, independent code optimizations, and part variance effects.

- **CODE AUTOLEARN MAXIMIZING PERFORMANCE:** Automatically determine the code in the reading area, or region of interest, and optimize the decoding setup to maximize reading speed and performance.
- **MULTIPLE CODE OPTIMIZATIONS:** Multiple decoding regions improve reading speed with multiple code applications or independent codes with different features.
- **ELIMINATE PART VARIANCE EFFECTS:** The decode algorithm determines the optimal decoding setup using multiple images representing the application variability such as code quality or different parts.
- **RELIABLE BEST IN CLASS PERFORMANCE ON DPM AND DAMAGED CODES:** The decode algorithms provide superior reading performance on dot peen or etched 1D or 2D codes on the most challenging materials. Damaged, torn, bent, or partially occluded codes can be processed, keeping operations running at optimum efficiencies.



ONLINE MONITORING: Increase uptime through a real time view of the process while the Matrix N is still working in the production line. Instantly diagnose process issues for faster more accurate problem resolution.

- **INCREASE UPTIME:** With the reader monitoring tool you can connect a device and monitor its production line operation, without disconnecting it from the line controller. The monitoring feature offers a perfect diagnostic tool for line operators. Imager and production line operation are validated by images or code information. Messages to the host system are mirrored in the console area and can be monitored in-line offering additional diagnostics.
- **NO MONITORING DOWNTIME:** The monitoring tool offers the possibility to adjust parameters in-line, without disconnecting the reader from the host communication or accessing the setup area.



Main Benefits related to the application are:

MANUFACTURING: DL.CODE™ eliminates the complexity of automated identification processes through a graphically enhanced user interface. Powerful Matrix N™ 2D imagers can be setup in a few minutes using intuitive steps and tools. Improved and reliable performance of the system is achieved through new software algorithms which are immune to lighting and reflection effects as well as object-to-object variations.

- Easy and fast reader setup in Direct Part Marked (DPM) applications with automated optimization of the decoding configuration
- Multiple digital pre-processing filters in a single image
- Image saving for selectable reading cases
- Embedded live image display and parameter adjustments without accessing the setup software

TRANSPORTATION & LOGISTICS: DL.CODE increases the potential for track, trace, and sortation applications with new critical capabilities. 2D PackTrack delivers real-time tracking of multiple objects within the same reading area. On-board image saving with intuitive controls eliminates additional setup, servers, or monitoring software.

- Automated multiple code configurations, 1D and 2D in a same image frame
- Flexible logic combination and message definition
- PackTrack configuration for high speed sortation with variable object dimension and object gaps
- Flexible 'NO READ' image saving

