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ZEBRA AURORA DESIGN ASSISTANT

formerly Matrox Design Assistant

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- No-Code Development: Create machine vision applications using an intuitive flowchart-based interface without traditional coding.
- Hardware Flexibility: Supports various cameras and hardware setups, offering a hardware-independent platform for versatile deployment.
- Advanced Vision Tools: Includes powerful tools for image analysis, pattern recognition, and deep learning to handle complex vision tasks efficiently.

PRODUCT DESCRIPTION

Matrox Design Assistant is an integrated development environment (IDE) for Microsoft® Windows® where vision applications are created by constructing an intuitive flowchart instead of writing traditional program code. In addition to building a flowchart, the IDE enables users to design a graphical web-based operator interface for the application. Since Matrox Design Assistant is hardware independent, choose any computer with GigE Vision® or USB3 Vision® cameras and get the processing power needed. Work with multiple cameras all within the same project, or per project running concurrently and independently from one another. This field-proven software is also a perfect match for a Matrox vision controller or the Matrox Iris GTR smart camera. Matrox Design Assistant offers the freedom to choose the ideal platform for any vision project.

- Solve machine vision applications efficiently by constructing flowcharts instead of writing program code
- Choose the best platform for the job within a hardware-independent environment that supports Matrox smart cameras and vision controllers, and third-party PCs with GigE Vision or USB3 Vision cameras
- Tackle machine vision applications with utmost confidence using field-proven tools for analyzing, locating, measuring, reading, and verifying
- Use a single program for creating both the application logic and operator interface
- Work with multiple cameras all within the same project or per project running concurrently and independently from one another
- Interface to third-party 3D sensors to process and analyze their depth map
- Rely on a common underlying vision library for the same results with a Matrox smart camera, vision system, or third-party computer
- Maximize productivity with instant feedback on image analysis and processing operations
- Receive immediate, pertinent assistance through an integrated contextual guide
- Communicate actions and results to other automation and enterprise equipment equipment via discrete Matrox I/Os, RS-232, and Ethernet (TCP/IP, EtherNet/IP™, Modbus®, PROFINET®, and native robot interfaces)
- Maintain control and independence through the ability to create custom flowchart steps
- Increase productivity and reduce development costs with Matrox Vision Academy online and on-premises training
- Protect against inappropriate changes with the Project Change Validator tool