

# AUTOVISION™ SOFTWARE



## Machine Vision Simplified

Microscan's AutoVISION is the easiest machine vision software available for basic to mid-range vision applications. Process and manufacturing engineers no longer need to become experts in machine vision in order to successfully deploy a system that meets their traceability, inspection and quality control needs.

### AutoVISION Software: Capabilities



#### Locate Tool

- Robust edge-based location used to find a part or feature, or may be used to position other tools.



#### Decode Tool

- Decode all standard linear barcodes, stacked barcodes, Data Matrix, and other symbols, or use to locate other tools.



#### Optical Character Recognition (OCR) Tool

- OCR using built-in or user-specified fonts.



#### Count Tool

- Count objects of a specified size and contrast.



#### Presence/Absence Tool

- Confirm a part or feature is present, or inspect for defects based on counting pixels with a specified contest or edge gradient.



#### Measure Tool

- Measure the distance between two edges and check against a specification.



#### String Match

- Check that all or part of the strings read by the Decode or OCR Tools are the same.



#### String Format

- Prepare strings or results for output.

### Hardware:



**VISION MINI Smart Camera (USB)**



**VISION HAWK Smart Camera (Network)**



#### PC Minimum Requirements:

Hardware	Min. CPU	Min. Interface
Windows PC	Core2Duo	1 USB or 1 Network
Software	Min. Version	Min. RAM
Windows XP (32 bit)	SP3	1 GB
Windows 7 (32 bit)	SP1	2 GB

#### Intuitive User Interface

AutoVISION features an intuitive user interface that guides the user to connect to a device, configure the hardware, program the job, and monitor results. Upon start up, it automatically detects all compatible devices and immediately begins configuration. It can also be used in 'emulator' mode with stored images on a PC.

#### Immediate Feedback

Provides real time feedback and results as a device is being configured or during programming. Because the run-time interface is built into the user interface, a user can try out a job anytime and determine if the device is configured to meet the application needs.

#### Complete Tool Set

AutoVISION includes Microscan's powerful X-Mode decoding capability for 1D and 2D barcode reading along with fixed font and fully teachable OCR. For inspection and control applications AutoVISION includes simple yet powerful Locate, Measure, Count and Presence/Absence Tools.

#### Scalable to Visionscape

For applications demanding more flexibility or configuration options, easily upgrade to full functionality of Visionscape®, Microscan's machine vision platform for both smart camera and PC-based systems. AutoVISION jobs can be opened with Visionscape FrontRunner enabling scripting and other advanced programming capabilities.

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