EyeVision Software

Software
for image processing

identify

install

control

order picking
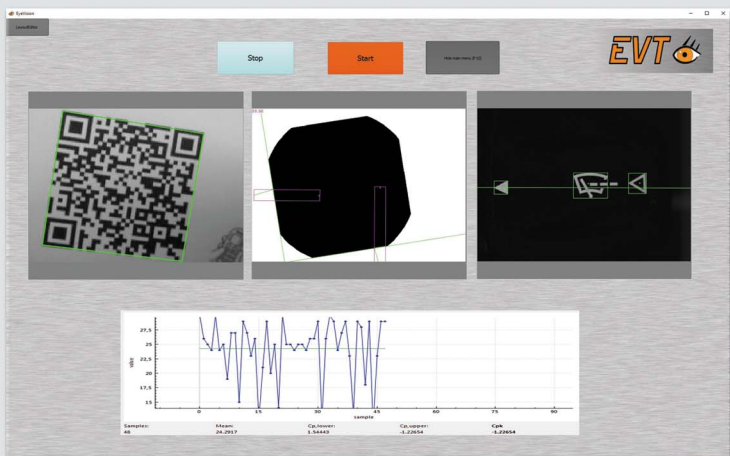
EyeVision
image processing software

EyeVision is the base for numerous measurement and inspection tasks in image processing. Features are:

1. A graphical user interface (GUI)
2. Creation of inspection programs with drag-and-drop function
3. EyeVision supports all hardware platforms such as: Smart Cameras, Vision Sensors, PC & Embedded
4. Supports different cameras with the interfaces: USB, GigE, FireWire, Camera Link, CoaXPress, etc.
5. **EyeVision** has a plugin interface for the integration of own commands into the graphical user interface
6. The integrated Webserver allows the user to control the EyeVision software from everywhere.
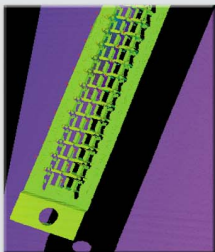
EyeVision
Process Mode GUI

EyeVision Process Mode GUI allows the user to create custom-made displays and different views.

EyeVision Process Mode GUI

EyeVision -
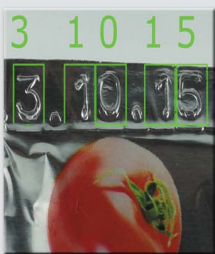# one Software for all applications

3D Inspection

The EyeVision software has a special 3D command set for the 3D-quality control. EyeVision supports laser triangulation sensors, as well as ToF and fringe projection sensors.
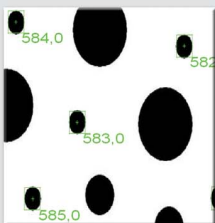
Code Reading

The EyeVision software can read different codes, for example: DMC, QR, pharma- and bar codes such as EAN 13, EAN 8, Code 39, 2/5 Interleaved, etc.
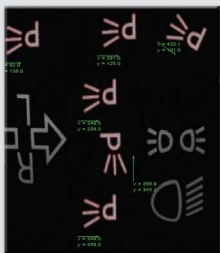
OCR / OCV Reading

The EyeVision software reads and classifies different fonts. EyeVision has high recognition rates without additional teach-in and has already pre-trained classifications.
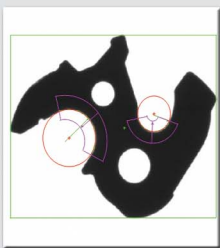
Object Counting (BLOB)

EyeVision can count objects within only a few milliseconds. The only required command is the, so called, BLOB (Binary Large Object).

Pattern Matching

The KeyMatch command is a fast and easy pattern matching tool. It recognizes the objects in every position and rotation, after a short teach-in.

Measurement technology

EyeVision measures straight lines, circles, ranges, angles, etc. Contour tracking and analyzing offer high measuring accuracy and high-speed measurement.

Surface Inspection

EyeVision recognizes surface faults such as e.g.: holes, scratches, folds, spots and other contamination, as well as dents, pores and inclusions.

LED- & color inspection

EyeVision evaluates color, intensity and light information of e.g. LEDs and displays on printed circuit boards or other colored objects.

Applications

Identify
Incoming goods inspection

Install
instruction of employees

Control
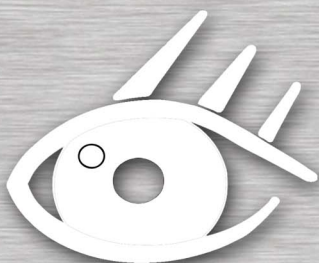*Qualitätssicherung*

Order picking
outgoing goods inspection

Measure
Inspect
Control
Sort
Position
Completeness test
Attendence check
Surface inspection
Component inspection
Tool presets
3D-Matching
3D-Vision
Robot Vision
Marker control
Coplanarity
BGA test
Contour inspection
Contamination test
Error detection
OCR / OCV
Bar Code reading
DMC & QR code reading
Thread inspection
Paper inspection
Plastic inspection
Metal inspection
Display control
Pattern Matching
Blister inspection
Semiconductor industry
Food & Beverage industry
Electronics industry
Pharmaceutical industry
Transport & Logistics
Stamping parts industry
etc.

EVT Eye Vision Technology