

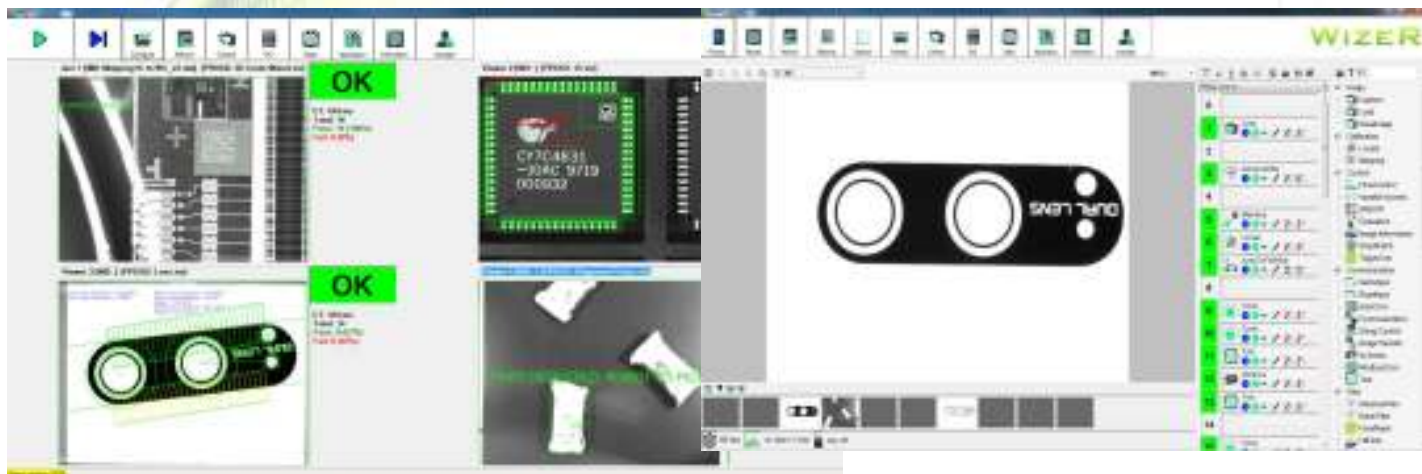


WIZER

The Ultimate Choice for Machine Vision Software

Inspiraz Technology is a Singapore-based developer for machine vision software for industrial automation & robotics applications. We have developed a flexible, easy-to-use platform for equipment builders, system integrators, machine vision developers & end-users, of which we have integrated application tools for 2D & 3D applications.

WIZER, our latest generation of the configurable machine vision software with its new features and enhancements and it offers an even higher degree of convenience for the user with increased productivity and efficiency in developing and deployment of machine vision applications on the production floor.



"The Ultimate Choice for Machine Vision Software"



Features

- Offer many standard vision inspection tools set using Halcon Library like Image Acquisition, Calibration, Alignment, Measurement & Code Reader etc.
- Multi-images processing on multi-camera applications
- No prior programming needed to configure/deploy vision application
- Ability to build your own customized vision tools



Application Areas

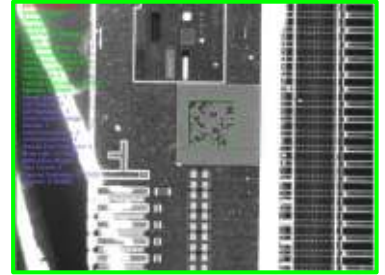
- 1D/2D Traceability& Character Recognition
- Alignment & Robot Guidance
- Components Measurement
- Color Analysis
- Defect & Flaw Detection



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Barcode & Data Code Reading

All common barcode can read in any orientation and able to read ECC200, QR, Micro QR code of any sizes.



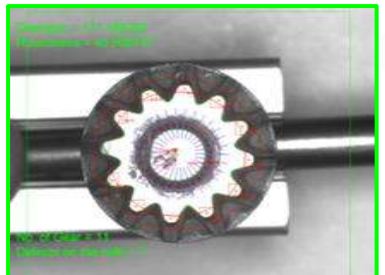
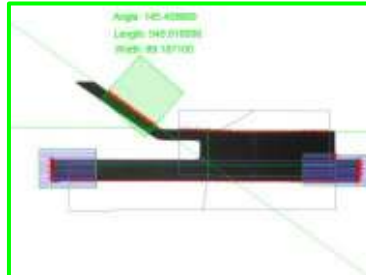
Optical Character Recognition

Able to achieve reliable, robust and accurate OCR result. With pretrained fonts including dot printed, industrial fonts semi fonts etc.



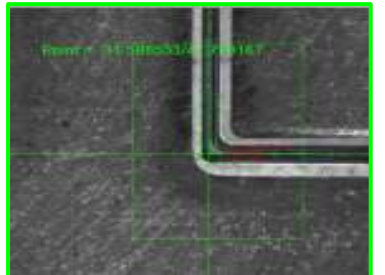
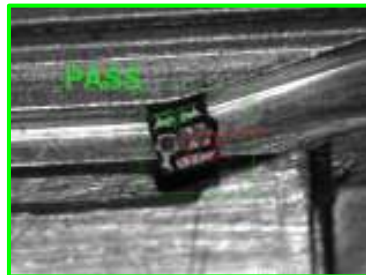
Measurement

Measure edges detected with powerful algorithms performing subpixel measurements to achieve high accuracy



Alignment

Accurate subpixel Matching tools to find objects robustly & accurately even if they are rotated & scaled. And subpixel edge extraction along line/arc to meet high alignment accuracy.



Color Checking



Alignment



Defect Detection



Dimensional Gauging



Code Identification



Assembly Verification



OCR/OCV



Feature Presence

The screenshot displays the WebSpect web interface. On the left, a camera view shows a PCB with a barcode and text: "IP: 192.168.2.11", "Result: OK", and "Cycle Time: 269.54". Below the camera view are play, pause, and stop buttons. The central "Settings" menu includes options for Application, Filter, Barcode (checked), DMC, QR Code, and Micro QR Code. The right sidebar contains a "Configuration" menu with options for Camera Settings, Communication, Account Settings, Mode Settings, and IP Settings. Below the configuration menu is a "Statistics" section with a bar chart and the following data:

Statistics	
Total Triggered:	22
Total Read:	21
Total Unread:	1
Pass Verification:	22
Fail Verification:	0



SMARTX- V series



SMARTX- Z series



SMARTX- NanoZ series

The WebSpect is our latest software developed for SmartX- Z/V series smart cameras which offered 1D/2D code reading or Absence/Presence Checker with high computing speed and flexibility.

You can remotely setup and configure parameter on your PC or mobile device via Wi-Fi using the web browser. This allows you to see the inspection process in real-times and adjust configuration anywhere on your factory.



Features

- Offer many standard vision inspection tools set using Halcon Library like Code Reader and Blob etc.
- No prior programming needed to configure/deploy vision application
- Easy to use and flexible in configuring your inspection program

SmartX – WRW Series



WIZER

Features

- The WIZER software is pre-loaded
- Intel ATOM Processor E3845Quad Core 1.91 GHz
- 300k – 12MP CCD/CMOS
- Built-in lighting controller and digital I/O.
- Dimension: 110 x 61 x 47mm

ControlX-WRB Series



WIZER

Features

- The WIZER software is pre-loaded
- Intel ATOM Processor E3845Quad Core 1.91 GH
- 4 x Giga Ethernet POE (Intel I210)
- Supports 8 isolated DI & 8 isolated DO, 4 light control
- Dimension: 146 x 90 x 50mm

ControlX-WAE Series



WIZER

Features

- The WIZER software is pre-loaded
- Intel Core i5(3.60GHz) , Intel Core i7(4.0GHz)
- 4 x POE ports, 4 x USB2.0, 4x USB3.0
- Supports 12 isolated DI & 16 isolated DO
- Dimension: 232 x 181 x 83mm

SmartX – AZNano Series



WebSpect

Features

- The WebSpect software is pre-loaded.
- CPU: ARM CORTEX A9 866MHz DUO, OS: Linux
- 300K & 1.3MP CMOS
- I/O: 2IN, 2 OUT & Integrated light
- Dimension: 20 x 20 X 60mm

SmartX – AZM Series



WebSpect

Features

- The WebSpect software is pre-loaded.
- CPU: ARM CORTEX A9 866MHz DUO, OS: Linux
- 300K , 1.3MP & 5.0MP CMOS
- I/O: 4IN, 4 OUT & Integrated light
- Dimension: 64 X 47 X 29mm

SmartX – AVZ Series



WebSpect

Features

- The WebSpect software is pre-loaded.
- CPU: Dual-Core ARM Cortes A9 with 866MHz
- I/O: 2IN, 4 OUT
- C-Mount
- Dimension: 86 X 45 X 20mm

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