

Solvision

A simpler approach to address machine vision problems

Solvision draws on state-of-the-art deep learning technologies to solve common machine vision problems, such as feature defects and detections. There is no need to write code to identify each defect type since this is done by a conventional automated optical inspection (AOI) system.

This intuitive, human-like approach requires only the input of image samples and the machine will learn to recognize irregular patterns or features by itself, which remained a challenging task for traditional inspection methods.

Solvision comes in two modes of learning: supervised and unsupervised. When in supervised mode, each defect type needs to be identified and trained. While in unsupervised mode, Solvision needs to be shown only a working model, and it will be able to identify the differences in inspected objects.



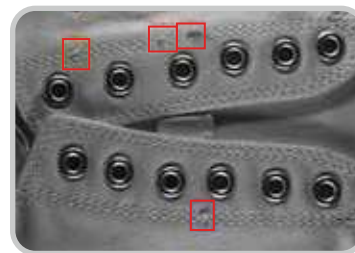
OCR



- Food & Beverage
- Pharmaceutical
- Chip Packaging
- Packaging
- Metal
- Rubber & Plastic



Defect Inspection



- Electronics
- Footwear
- Textile
- Metal
- Rubber & Plastic
- Medical Devices



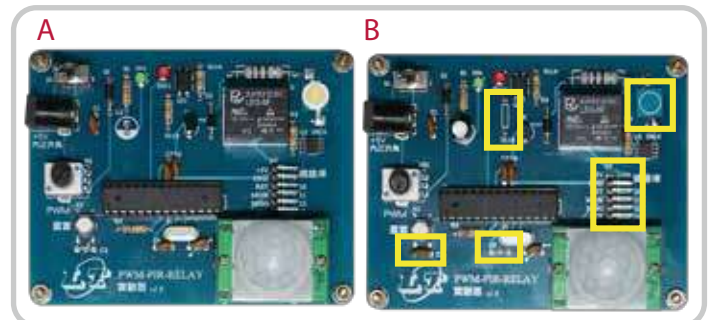
Vision Guided Robots



- Sealing
- Deburring
- Inspection
- Assembly
- Packaging



Pattern Matching and Categorization



- Textile
- Agriculture
- Packaging
- Logistics



Fast Item Identification



- Medical Devices
- E-Commerce
- Warehouse



Recognizing Features and Location



- Packaging
- Logistics
- Pick & Place
- Human Gesture Detection

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Hardware Requirements

Module Name	SLM VISAI-0230
Operating System	Windows 10 (64 bit)
Pixels	2.3M
CPU	Minimum : Intel Core i5 Recommended : Intel Core i7
GPU	Minimum : Nvidia GTX 1060 (RAM : 6GB)
RAM	Minimum : 8G Recommended : 16G
Interface	USB 3.0
Coding Interface	Minimum : .Net framework 4.5.2
Coding Language	C# (WinForm DLL)
Language	English
Image Format	JPEG, PNG, BMP
Supported Robots ★★	✓

★★ Optional

**In-Position
Technologies**
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Specifications subjects to change without notice.

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