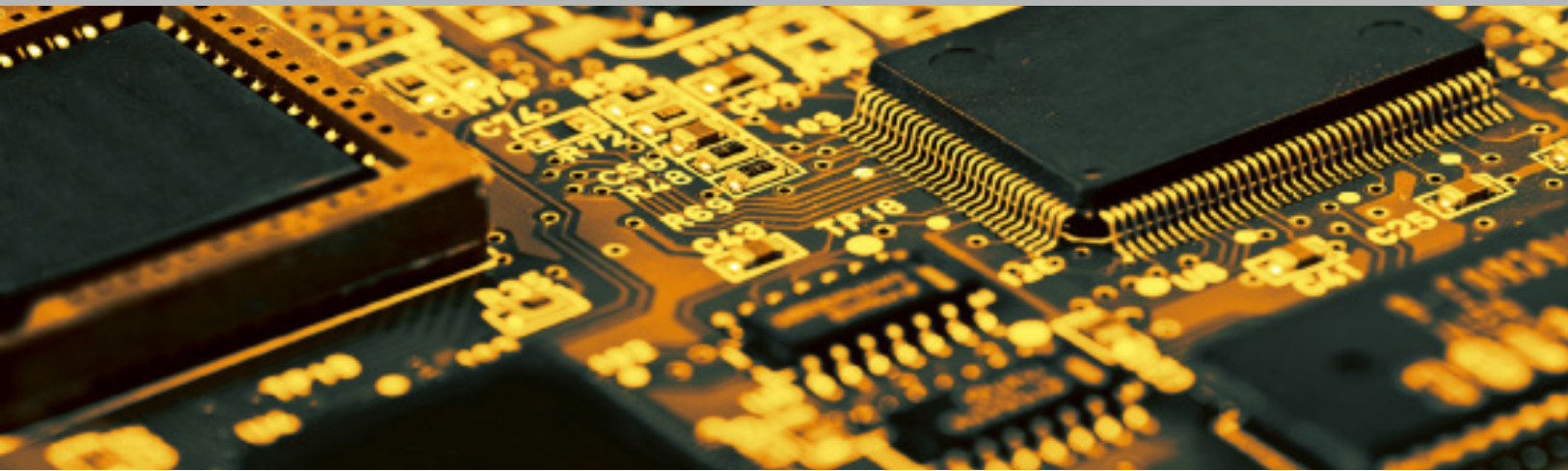


2D AOI Series

MV-6

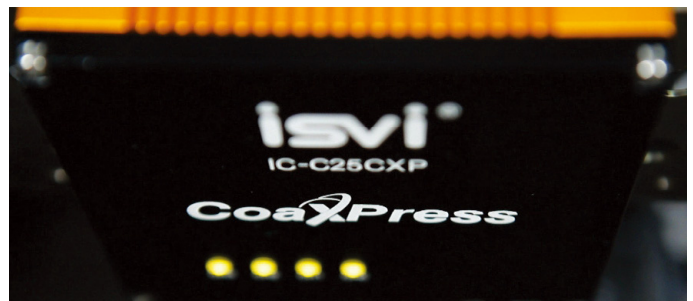


- 18 Megapixel Top Camera
- Telecentric Lens
- 18 Megapixel Side-Camera
- 8 Phase Coaxial Color Light

2D AOI Series

MV-6

MV-6 Series is a AOI product which can be used as two types Mounting/Solder. It is an inline vision inspector with 18 Megapixel camera, 18 Megapixel side cameras and 8 phase coaxial color lighting system applied to give optimal results to various production processes.



High Resolution 18 Megapixel Camera

With 18 Megapixel high resolution camera more precise and stable inspection is possible and with 4 additional 18 Megapixel side camera gives an outstanding inspection quality and user convenience.

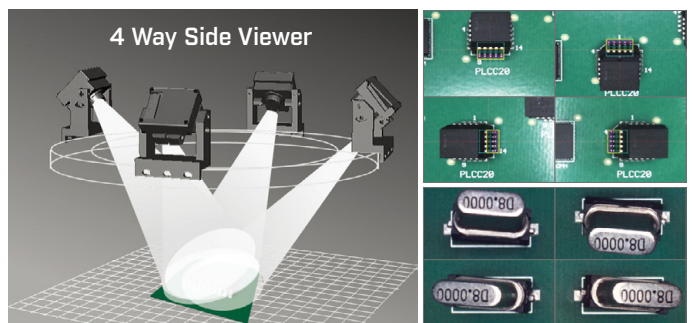
18 Megapixel Top Camera

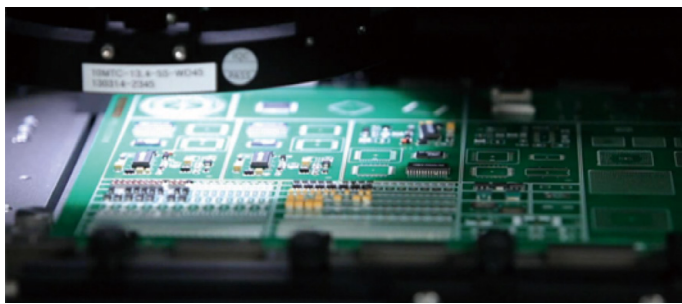
- Pixel resolution 80% increased compared to 10 Megapixel Camera
- Q201 Chip (mm) / 0.3 Pitch (mm) IC lead capability



18 Megapixel Side Camera

- 4 cameras in EWSN applied
- The only J-lead & QFN inspection solution
- Full-PCB inspection with side cameras

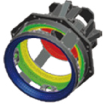
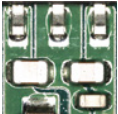
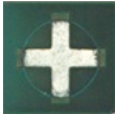
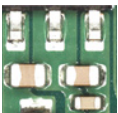


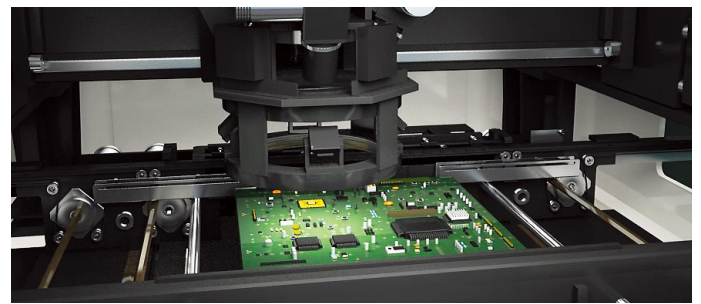


8 Phase Coaxial Color Light System for Higher Precision

Through 8 different lights combination a clear noise-free image is obtained to give various types of precise defect detection.

- Color change extraction following angle for reflection
- Ideal for Chip / IC lead lift and solder joint defect detection
- Precise Solder Joint inspection

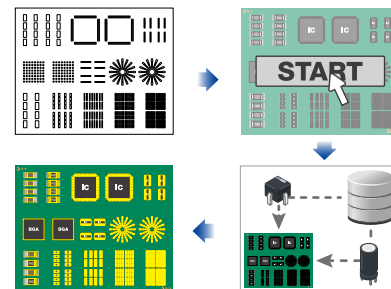
Lighting	PCB Noise	Color Light Noise and Uniformity	Fiducial Mark Reading Precision
6 Phase Color Light 			
Improved image			
8 Phase Coaxial Color Light 			



Deep Learning applied Auto Teaching Tool

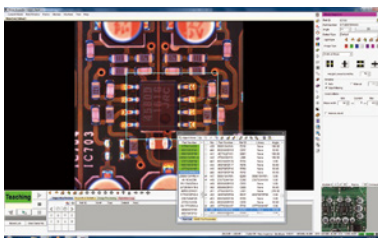
Inspection software which is applied Deep Learning solution search the most suitable component information and teach the component automatically. User would have the best inspection quality always regardless of user's skill as all of process will be done by a few clicks.

- Reduce teaching time more over 90% than manual teaching
- Secure the best inspection quality always by inspection quality and working process standardization
- Accurate component searching and matching by applying Deep Learning solution



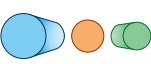
Strong User Convenience

- User friendly GUI
- Automatic teaching with use of Enormous Library; beginners can teach easily
- Minimized saving space with defect part image compression



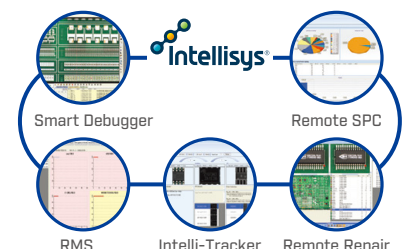
Telecentric Lens

- Image distortion found in conventional lens
- Clearer image
- Precise inspection

	Telecentric Lens	Conventional Lens
Side		
Top		

Intellisys® System

When a defect occurs in the line, understanding in advance as well as remote control is possible while reducing costs from defective products



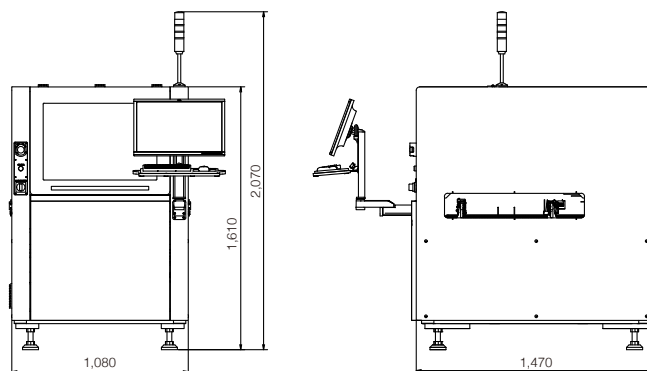
Specifications

Model			MV-6
PCB Size Range			
Single Lane	Standard		50 x 50 ~ 510 x 510 mm
	Flipper		140 x 50 ~ 510 x 510 mm
Dual Lane	1-Stage Conveyor		50 x 50 ~ 510 x 590 mm(Single) / 50 x 50 ~ 510 x 300 mm(Dual)
	3-Stage Conveyor		50 x 50 ~ 330 x 280 mm(Dual)
Inspection Speed			
18 Megapixel Camera	7.3 μ m		3,213 mm ² / Sec
	9.8 μ m		5,604 mm ² / Sec
14 Megapixel Camera	13.4 μ m		7,974 mm ² / Sec
	9.8 μ m		3,007 mm ² / Sec
10 Megapixel Camera	13.4 μ m		5,293 mm ² / Sec
System Specification			
Lighting System			8-Phase Coaxial Color Lighting System
Multi-Vision System (Side Camera)			18/10 Megapixel Color Camera (4ea)
Software	Standard		Built-in SPC, Built-in Repair
	Option		TRMS, RRS, IRS, OLTT, RDS, Remote SPC
PCB Clearance	Top		45 mm (Option : 70mm)
	Bottom		50 mm (Flipper : 70mm)
PCB Thickness	Standard		0.5 mm ~ 5 mm
	Flipper		0.8 mm ~ 3 mm
Maximum PCB Weight	Standard		4 kg
	Flipper		2 kg
Minimum Component Inspection	7.3 μ m		0201 Chip (mm) / 0.3 Pitch (mm)
	9.8 μ m		0402 Chip (mm) / 01005 Chip (inch) / 0.3 pitch (mm)
	13.4 μ m		0603 Chip (mm) / 0201 Chip (inch) / 0.4 pitch (mm)
Robot Positioning System			Servo Motor System
Power Requirements			Single Phase(s) 200-240V 50-60Hz, 1.1 kW
Air Requirements			5 Kgf / cm ² (0.5 MPa)
Dimension and Weight			
Dimension	Machine		1,080(W) x 1,470(D) x 1,610(H) mm
	Width (Machine & Conveyor)	1-Stage Conveyor	1,110 mm
		3-Stage Conveyor	1,630 mm(Sigle Lane) / 1,270 mm(Dual Lane) / 1,850 mm(Flipper)
Weight	Single Lane	Standard	Approx. 950 kg
		Flipper	Approx. 950 kg(1-Stage Conveyor) / Approx. 1,000 kg(3-Stage Conveyor)
	Dual Lane		Approx. 1,000 kg

* We will not be responsible for any problems caused by using unverified BARCODE READER. Contact our HQ for the list of allowed BARCODE READER models to use.

Dimension

(Unit : mm)



• Data subject to change without notice.



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