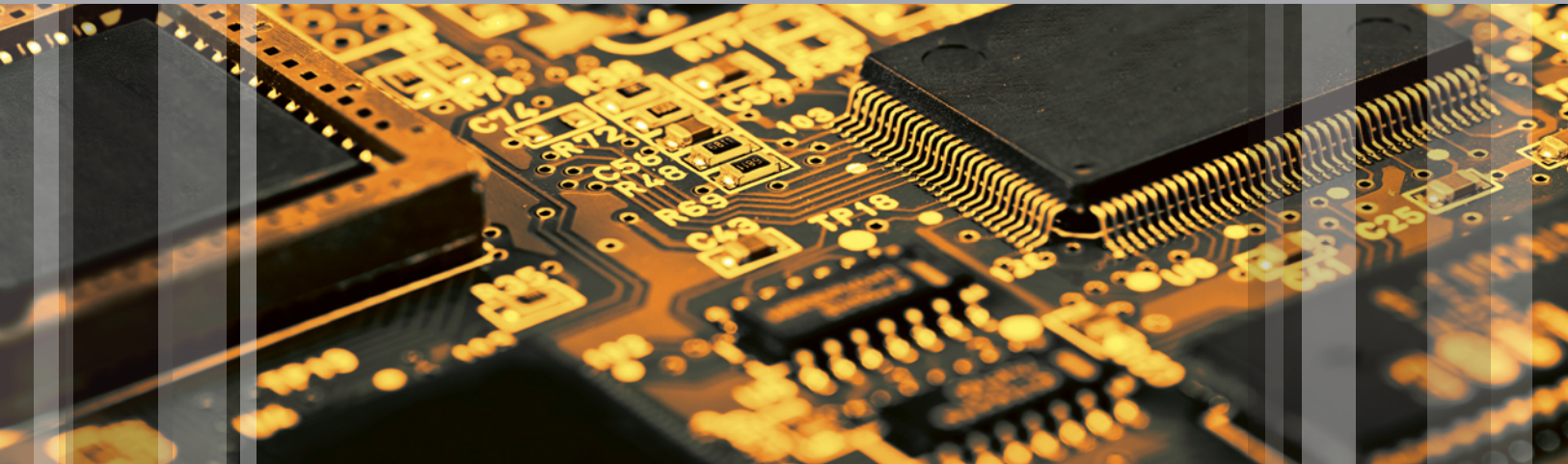


3D AOI Series

MV-6e OMNI / MV-6em OMNI



- 25/15 Megapixel Top Camera
- 8 Projection Moiré Technology
- 8 Phase Coaxial Color Light
- 18 Megapixel Side-Viewer®

3D AOI Series

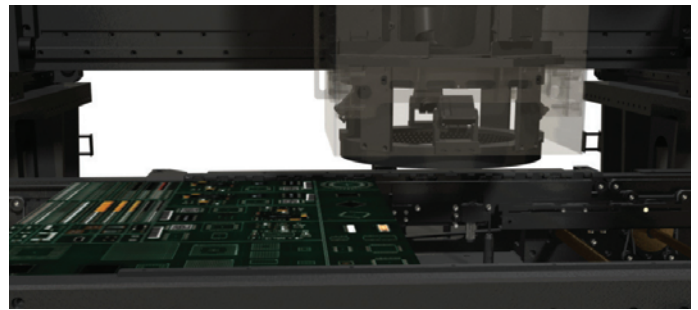
MV-6e omni / MV-6em omni

MV-6e omni / MV-6em omni Series is a Full-3D inline vision inspector with 25 Megapixel high resolution camera, Digital moiré 8 projections, 18 Megapixel side cameras and 8 Phase coaxial color lighting system to allow inspection upto 03015 (mm) chip.



Slim Design

MV-6em omni is a 900mm slim size designed 3D AOI to provide excellent technology as well as space management to give more user convenience



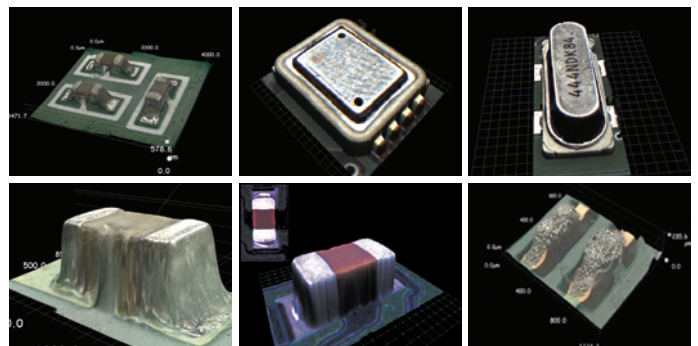
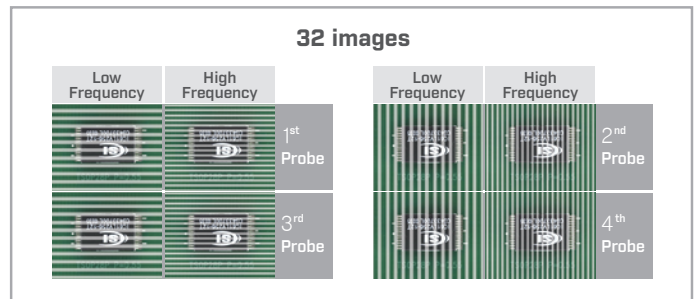
Precise 3D Measurement With the World's Best Technology

Moiré Projection Unit measures a component in EWSN 4 directions to obtain 3D image for failsafe and high-speed defect detection.



Digital 8 Projection Moiré Technology

- Obtain 3D image without blind spots using 4 3D projections
- Various component height inspection with the combination of high and low frequency moiré pattern
- Linkage with the main camera to apply Full 3D inspection to detect various defects flawlessly

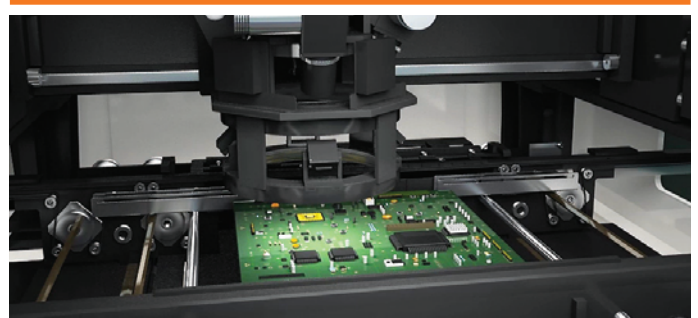




The World's First High Resolution 25 Megapixel Camera

We are proud to have applied the next generation vision system with the 25 Megapixel high resolution camera for more precise and stable inspection and the world's only high speed CoaXPRESS transmission method to allow 4 times more data transmission and 40% increased process speed.

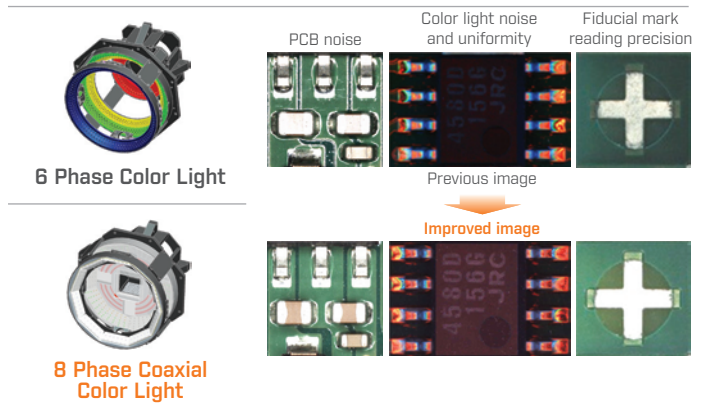
- The world's only 25 Megapixel camera loaded
- CoaXPRESS high performance vision system applied
- Large FOV to increase inspection speed
- 7.7 μm super precise Camera to inspect 03015 (mm) chip
- Processing speed increased by 40% compared to Camera Link



8 Phase Coaxial Color Lighting System for Precise Inspection

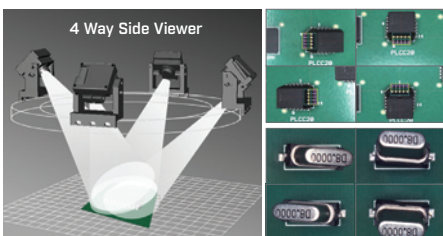
Through 8 different lights combination a clear noise-free image is obtained to give various types of precise defect detection.

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



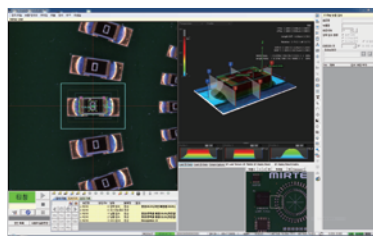
18 Megapixel Side Camera

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



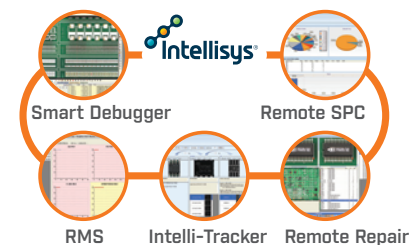
Strong User Convenience

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



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



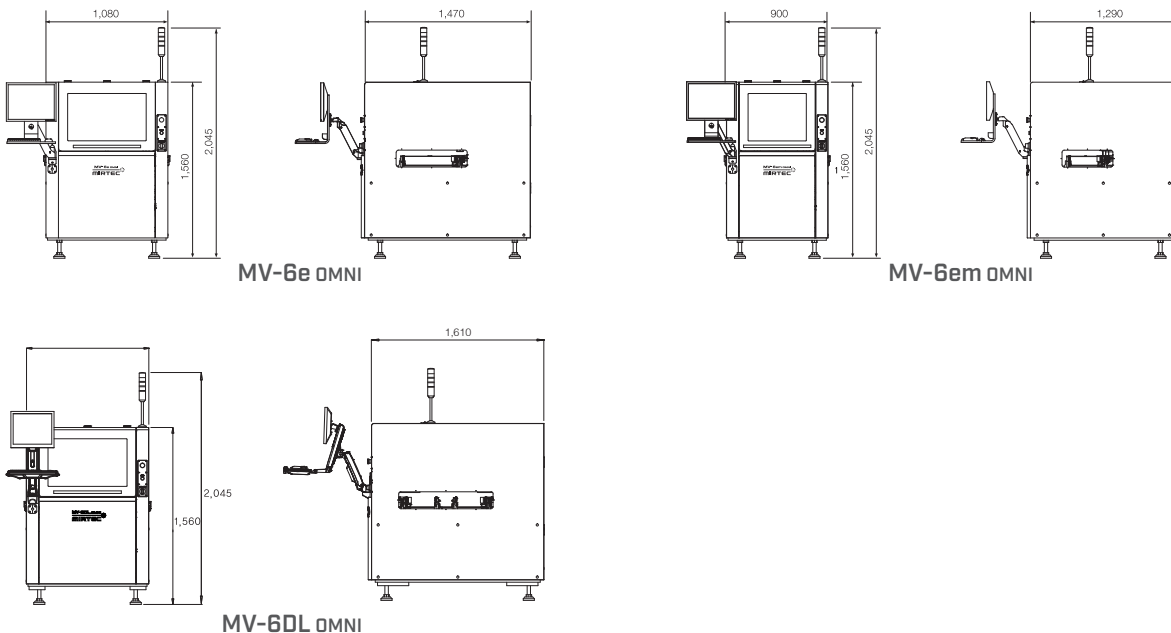
Specifications

Model	MV-6e OMNI		MV-6em OMNI	MV-6DL OMNI
Max PCB Size Range				
In-line AOI	50 x 50 - 510 x 460mm	50 x 50 - 330 x 280mm	50 x 50 - 490 x 300mm (D) 50 x 50 - 490 x 590mm (S)	
DMNI-VISION [®] 3D / 2D Inspection Technology	Digital 8 Projection Moiré Technology			
3D Inspection Technology				
Height Accuracy	±3µm			
3D / 2D Maximum Inspection Speed				
25 Megapixel Camera (CXP)	7.7 µm		1,460mm ² /Sec	
15 Megapixel Camera (CXP)	15 µm		4,260mm ² /Sec	
	10 µm		1,890mm ² /Sec	
2D Maximum Inspection Speed				
25 Megapixel Camera (CXP)	7.7 µm		4,593mm ² /Sec	
15 Megapixel Camera (CXP)	15 µm		10,716mm ² /Sec	
	10 µm		5,080mm ² /Sec	
System Specification				
Lighting System	8 Phase Coaxial Color Lighting System			
Side Camera System (Option)	18/10 Megapixel Digital Color Side Cameras (4ea)			
Software	Standard	Built-in SPC, Built-in Repair, RDS		
	Option	RRS, IRS, DLT, SPC Server System, ePM-AOI		
PCB Top Side Clearance	45mm			
PCB Bottom Side Clearance	50mm			
PCB Thickness	Standard	0.5mm - 3mm		
	Option	0.5mm - 5mm		
Maximum PCB Weight	4kg			
Minimum Measurement Size	7.7 µm	03015 (mm) / 0.3 Pitch (mm)		
	15 µm	0603 Chip (mm) / 0201 Chip (inch) / 0.4 Pitch (mm)		
	10 µm	03015 (mm) / 0.3 Pitch (mm)		
Robot Positioning System	X/Y Axis	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 (mm)	1,080(W) x 1,470(D) x 1,560(H)	900(W) x 1,290(D) x 1,560(H)	1,080(W) x 1,610(D) x 1,560(H)	
Weight	Approx. 950 Kg	Approx. 870 Kg	Approx. 1,010 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



MIRTEC CO., LTD (Headquarter)

SK Ventium 103-803, 166, Gosan-ro, Gunpo-si, Gyeonggi-do, 15850, Rep. of Korea

• TEL : +82-31-202-5999 • FAX : +82-31-202-5990

• www.mirtec.com

• Sales / CS : +82-1544-1062

• Data subject to change without notice.