Vision Systems
IV-S301M/IV-S311M

Revolutionizing production sites by responding to high-speed and high-precision inspection needs.

- High-Speed: Built-in multi-core image processing engine
- Various Features: Robot vision, Stage alignment
- Large Capacity Communication: Support for CC-Link IE Field
- Enhanced Basic Performance:
  Achieves high-speed inspection (High-performance Processor)
  Achieves high-precision inspection (SF Search Ⅲ)
- VNC Server Functions (Remote operation possible)
- 2ch Independent Processing (2 cameras can operate independently)
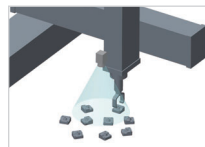- Connectible to a Wide Range of Cameras

IV-S301M controller — Up to 2 cameras

IV-S311M controller — Up to 4 cameras

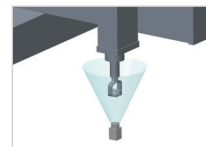Scan here for product information details

Features

- Robot Vision:
  Easy setup with industrial robots. Cameras detect the location of the object or inspect object and provide industrial robots with coordinate data needed to operate.

- Stage Alignment:
  Achieve quick and reliable positioning. The camera detects the position of the object, and the amount of stage movement on the device is calculated based on this coordinate data. This makes alignment and position correction possible.
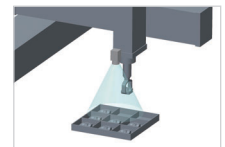 - Alignment Function
  - Auto Calibration Function

Pick Up

Camera detects target position to grab the workpiece.
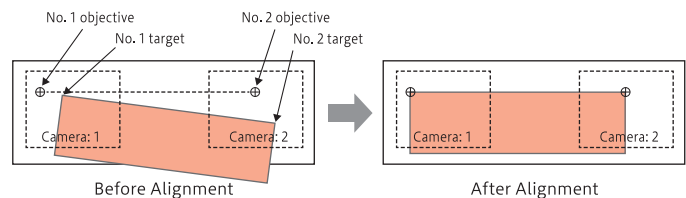
Pick Up Alignment

Detects the difference between target position and the position in which the workpiece was picked up, and corrects the workpiece placement position.

Place

Place work in the correct position recognized by camera.

No. 1 objective
No. 1 target
No. 2 objective
No. 2 target
Camera: 1
Camera: 2
Before Alignment

Camera: 1
Camera: 2
After Alignment

Sharp Marketing Japan Corporation, Business Solutions Company, Advanced Facilities Sales Department

Website   https://global.sharp/business/en/image-sensor-camera/products/iv-s301m_311m/