

2D Vision Package

MotoSight2D

Ultimate One Stop Solution

YASKAWA's 2D vision package is a powerful, cost competitive vision solution which can solve complex vision applications easily.

Before MotoSight2D customers experienced the following issues:

- Complicated operations due to two separate pendants for the robot and vision.
- Difficulty choosing the best vision solution for each application without adding extra cost.
- Uncertainty about who to contact when support is needed.
- Concern about the potential for global support.



MotoSight2D solves these issues.

- The robot and vision system can be operated with the robot pendant, reducing time required for teaching.
- 3 camera models are available. We will select the best model for your application.
- Yaskawa group engineers will provide both robot and vision support. With Yaskawa's global support network, customers can be confident they can receive support anywhere.

2D Vision camera line-up

| Model | | Application | Resolution | CPU Speed Ratio* | Image Processing Function |
|------------------------------|-------------------------------------|--|--------------------|------------------|---------------------------|
| Standard Model MS8101 | In-Sight 8101M-363-40 or equivalent | Position correction (for automobile parts, electronic parts, etc.) | 1280 × 1024 pixels | × 1.0 | COGNEX Full tool set |
| High-spec Model MS8401 | In-Sight 8401M-363-50 or equivalent | High-speed processing, including conveyor synchronization (for high-speed picking of food, etc.) | 1280 × 1024 pixels | × 4.0 | COGNEX Full tool set |
| Ultra-high-spec Model MS8402 | In-Sight 8402M-363-50 or equivalent | High precision and wide field of view (for transfer of automobile glass parts, etc.) | 1600 × 1200 pixels | × 4.0 | COGNEX Full tool set |

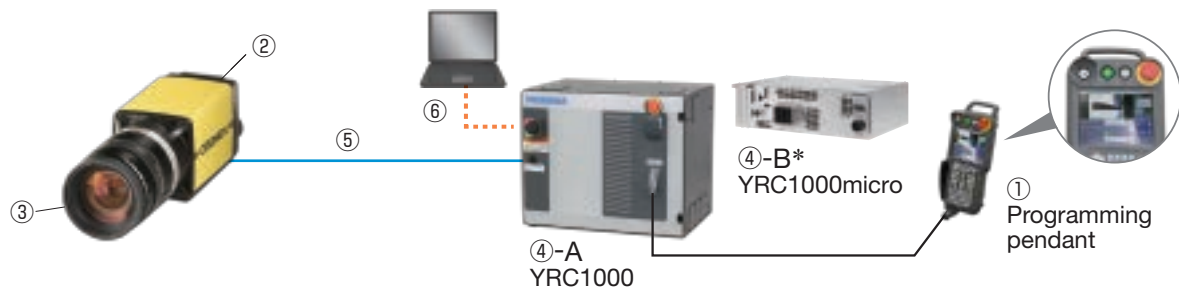
*: Refers to the ratio where the CPU speed of the standard model is "1.0".

Main applications

Position correction (for aluminum die cast products, picking up workpieces on conveyors, assembly, etc.)

MotoSight2D

■ System Configuration



*: An external box must be installed for the controller.

■ Device Composition Table

| NO. | Name | Specification |
|-----|--|---|
| ① | MotoSight2D (PP application + MotoPlus + macro job) | Settings installed prior to shipping |
| ② | 2D Vision Camera (built-in image processing device) | Select a standard, high-spec, or ultra-high-spec model. |
| ③ | Lens | Focal distance: 8 / 12 / 16 / 25 / 35 / 50 / 75 mm |
| ④ | A Customization of YRC1000 for MotoSight2D | With attached connector panel and built-in PoE hub, wiring of communications cable (Ethernet) |
| | B External Box for YRC1000micro for MotoSight2D | With built-in 24-V power supply and PoE hub, wiring of communications cable (Ethernet) |
| ⑤ | Camera Communications Cable | Connect the camera with the controller Cable length: 5 m (flexible/mobile cable) *Total cable length up to 35 m with an optional extension cable. |
| ⑥ | Cable for PC Connection | Connect the controller with the PC Cable length: 5 m *Use PC only during maintenance or detailed settings for camera jobs. |

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In the event that the end user of this product is to be the military and said product is to be employed in any weapons systems or the manufacture thereof, the export will fall under the relevant regulations as stipulated in the Foreign Exchange and Foreign Trade Regulations. Therefore, be sure to follow all procedures and submit all relevant documentation according to any and all rules, regulations and laws that may apply. Specifications are subject to change without notice for ongoing product modifications and improvements.

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