

2D Vision Package

MotoSight2D

Ultimate One Stop Solution

YASKAWA's 2D vision package is now available!
MotoSight2D 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.

- Operation of the robot and the vision system is possible using the robot pendant.
- 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

Models		Applications	Resolution	CPU Speed ratio*	Image processing functions
Entry model MS100	Corresponds to In-Sight 7050-01	• Phase correction etc. (e.g., automobile parts)	800 × 600 pixel	× 1.0	COGNEX Limited tool set
Standard model MS200	Corresponds to In-Sight 7200-11	• Correction of workpiece position (e.g., automobile parts, electrical parts etc.) • High speed processing combined with conveyor tracking etc. (e.g., high speed picking of foods etc.)	800 × 600 pixel	× 3.0	COGNEX Full tool set
High-spec model MS300	Corresponds to In-Sight 7402-11	• Highly precise, wide field (e.g., automobile glass parts etc.)	1280 × 1024 pixel	× 6.0	COGNEX Full tool set

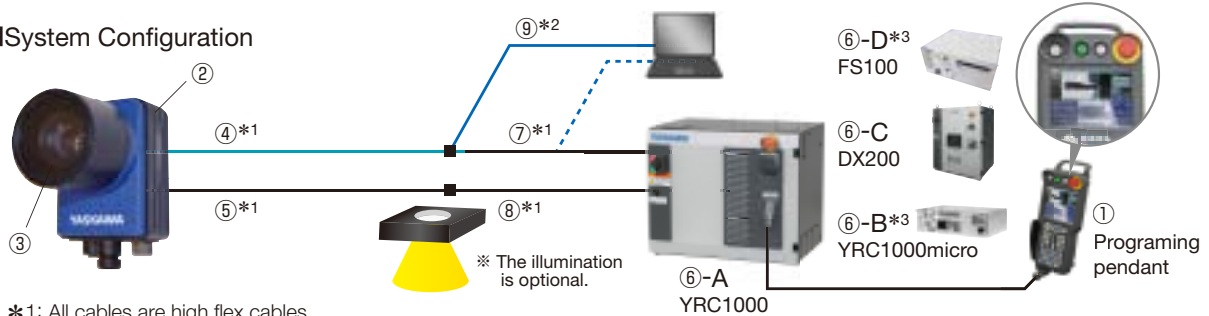
*: The CPU speed rating is in comparison to the MS100.

Main applications

Positioning correction of aluminum die cast products, Position correction of workpieces on conveyors after picking, Positioning correction for assembly.

MotoSight2D

System Configuration



*1: All cables are high flex cables.

*2: Use by connecting to ⑦ only when connecting to PC (only for YRC1000/DX200).

*3: An external box is needed when using the YRC1000micro/FS100.

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, with IP67 resin lens cover)	Select from Entry/Standard/High specification
③	Lens	Focal distance: 9 mm/12.5 mm/16 mm/25 mm/50 mm
④	Camera Communications Cable	Cable length: 5 m
⑤	Camera Power Cable	Cable length: 5 m
⑥	A Customization of YRC1000 Controller for MotoSight2D	Connector panel attached Wiring (Ethernet) of power cable and communications cable
	B External Box to YRC1000micro Controller for MotoSight2D	24 V power source built-in, Wiring of power cable
	C Customization of DX200 Controller for MotoSight2D	24 V power source, CP, and connector panel attached Wiring (Ethernet) of power cable and communications cable Increased memory (2 MB board replaced with 4 MB board)
	D External Box to FS100 Controller for MotoSight2D	24 V power source, CP, and noise filter built-in Wiring of power cable
⑦	Camera Communications Extension Cable	Cable length: 5 m (standard)/15 m, 30 m (optional) (total cable length up to 35 m)
⑧	Camera Power Extension Cable	Cable length: 5 m (standard)/15 m, 30 m (optional) (total cable length up to 35 m)
⑨	Cable for PC Connection (only for YRC1000/DX200)	Cable length: 0.5 m (connect to ④ camera communications cable)

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YASKAWA

YASKAWA ELECTRIC CORPORATION

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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