

Vision System

Camera & Software MotoSight2D



The MotoSight2D Vision combines leading vision technology with leading robotic technology. The MotoSight2D product range is based on compact 2D cameras in 3 different performance classes. In addition to simple data exchange, programming of the camera from the teach pendant of the robot is also possible.

The tool set of the camera covers a wide range of camera applications, from Pick&Place applications to quality monitoring tasks. Of particular note here is the patented Patmax algorithm, the benefits of which are exploited to the full in typical Pick&Place applications.

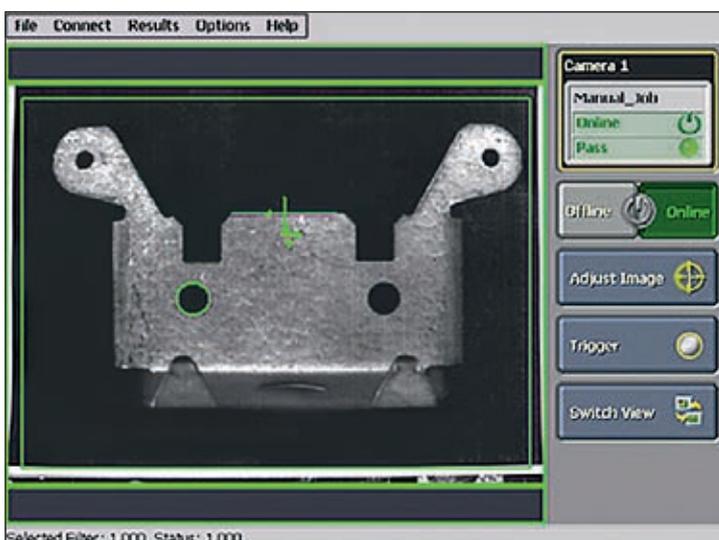
KEY BENEFITS

Camera:

- Direct communication with software MotoSight2D
- High speed and resolution
- Flexible mounting (on robot or free standing)
- Several equipment available

Software:

- Monitoring of up to 4 cameras
- Display camera image (live) on robot teach pendant
- Simple assignment of vision results to robot variables
- Storage of current jobs and images



Equipment (Base Camera Kit)

Scope of supply:

- Camera (MS8101, MS8401, MS8402)
- MotoSight2D Software

Other necessary components:

- Lens
- Ethernet Cable
- Power over Ethernet Adapter

Features

Pendant features:

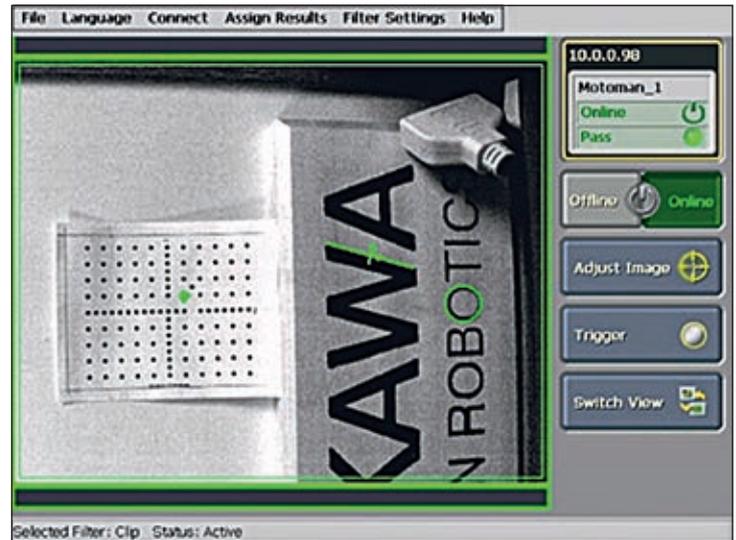
- Monitor and change on-line camera status
- Display pass/fail status
- Auto Display most recent camera image
- Display graphic overlays on captured image
- Calibrate camera using pendant
- Teaching of vision application

Communication:

- DX100, DX200, FS100 and YRC1000 controllers communicate directly with MotoSight2D camera over Ethernet

Vision features:

- Easy Builder and Spreadsheet
- Advanced option includes vision operator interface to view images from camera system
- High-resolution cameras available



Model	Technical data YASKAWA Cameras			
	Resolution	Frames/Second	Functions	Recommendation
MS8101	1280 x 1024	76	Pattern, Edge, Blob, Circle, Curve, Histogram, Geometry, Image Filters, Standard Calibration (9-Points), PatMax (Geometric pattern matching technology), Advanced Calibration (non-linear calibration), caliper tool, OCR, OCV, 2D Matrix and Barcode reading	Default Camera
MS8401	1280 x 1024	76		Time critical applications
MS8402	1600 x 1200	53		large parts / fields of view

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B-08-2019, A-No. 169190