

Automation for a Changing World

Delta Vision Software (for Robot & Motion)

DIAVision VGR



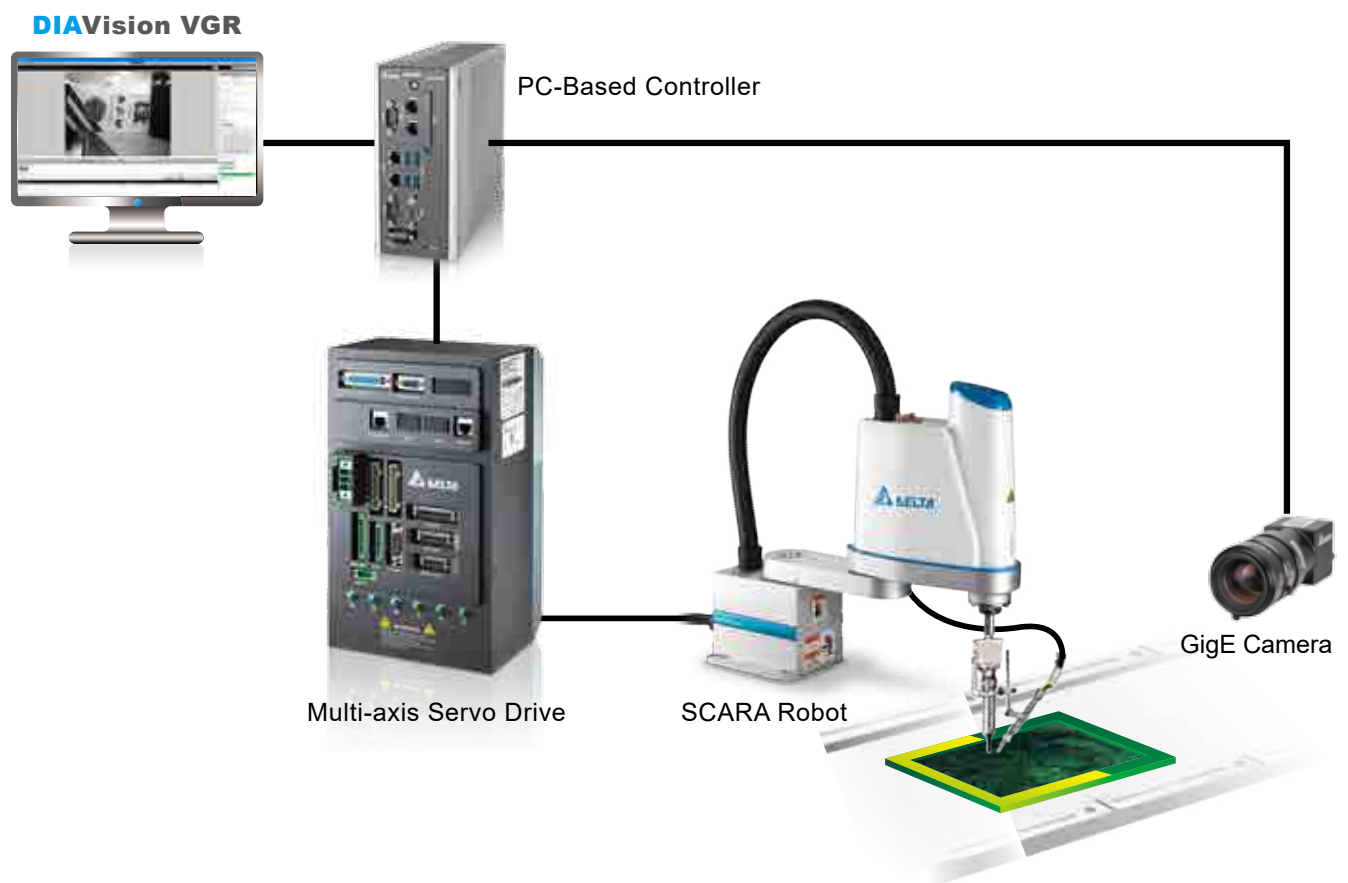
**Brilliant Vision Software for
Smart Robot & Motion Configuration**

Features

Industrial Vision Software for Robot & Motion Guidance

- **Intuitive and user-friendly interface:** flexible program commands, for easy setup and operation
- **Dynamic multi-project flowchart:** simple process control to reduce manual errors
- **Automatic robot positioning algorithm:** prevents XY tolerance from getting larger when angles change
- **GigE camera interface:** easy to set up to save cost and setting time
- **Flexible platform:** easy for multi-process programming and expansion based on user's requirements

System Configurations



Applications

Food & Beverage



Electronics Manufacturing



Logistics



Packaging



Specifications (for Robot Guidance)

Software

Robot/Vision Applications	• Operation scenario A: robot grasp/compensation with single fixed camera • Operation scenario B: robot grasp/compensation with single camera on hand • Operation scenario C: robot grasp/compensation with dual fixed cameras • Customized operation: using multiple operations in one project to fulfill various application scenarios
Calibration	• Fully automatic calibration • 4-point manual calibration • Lens distortion calibration/tilted camera calibration

Camera

Communications	Ethernet (10/100/1000 Mbps), compliant with GigE Vision 2.0 standard		
Camera Model	DMV-CM30XGE-D	DMV-CM1MXGE-D	DMV-CM2MXGE-D
Resolution	0.3MP (640 x 480 pixels)	1.3MP (1280 x 1024 pixels)	2 MP (1600 x 1200 pixels)
Camera Type	Monochrome/Color		
Frame Rate	180 fps	60 fps	50 fps
Sensor Size	1/3.6"	1/1.8"	1/1.8"
Sensor Technology	CMOS, Global shutter		
Camera(s) for Robot Guidance	1 or 2 Delta's GigE camera(s)		

PC-Based Controller for Software Operation (Optional)

Model		MH1-C50G	MH1-C70G
CPU	Processor	Intel Core i5-3610ME Dual Core 2.7 GHz	Intel Core i7-3612QE Quad Core 2.1 GHz
	System Chipset	Intel QM77	
	BIOS	AMI BIOS	
	Memory	DDR3-1600 (Default 4 GB) *2 / Max. 16 GB Supports ECC	
VGA Display		2048 x 1536 / 75 Hz	
I/O Interface	Internet	IEEE 802.3/802.3u/802.3ab 1 Gbps *2 IEEE 802.3/802.3u/802.3ab 1 Gbps with PoE IEEE 802.3af *2	
	USB	USB 3.0 *3	
	Serial Port	RS-232 (automatic hardware flow control) *1 / RS-485 *1	
	Digital Input	4-CH isolated, sink/source type, 24 V _{DC} (5 mA/CH)	
	Digital Output	4-CH isolated, sink type, 24 V _{DC} (200 mA/CH)	
Storage	Cfast Card	Cfast card *1 (optional)	
Power	Input Voltage	15~30 V _{DC}	
Requirements	Power Consumption	24 V / 1.25A / 30 W	24 V / 1.42A / 34 W
Mechanical	Mounting	Desk / Wall-mounting	
	Weight	3.9 Kg	
	Dimensions (L x W x H)	73.4 x 175 x 234.8 mm (W x H x D)	
Environment	Operating Temperature	0°C ~ 50°C	
	Storage Temperature	-30°C ~ 85°C	
	Humidity	0% ~ 90% RH (non-condensing)	
	Anti-pollution Degree	Pollution Degree 2	
	Vibration During Operation	2 Grms, IEC 60068-2-64, random, 5~500 Hz, 1 hr/axis	
	Impact During Operation	75 G, IEC 60068-2-27, half sine, 11ms duration	
	Safety Certification	CE	
System Interface	Microsoft Windows	Windows 7.0, Windows Embedded Standard 7, Windows 10 IoT	



Smarter. Greener. Together.

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