

Machine Vision

eazyVISION



- Up to 2 Cameras

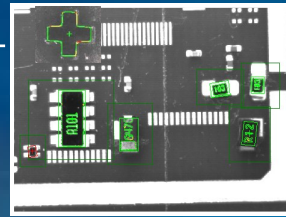
visionXPERT



- Up to 4 Cameras

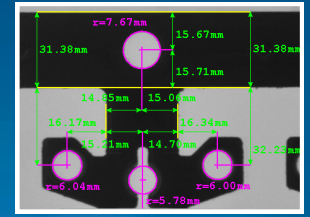
Inspection Systems

EAZY VISION



eazyCHECK

- Pattern search, Matching object, Location, Presence / absence.



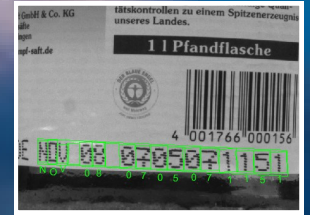
eazyGAUGE

- Find line, Find circle, Find search, Find distance.



eazyID

- Readable ID codes (all 25 types), 2D code (Data Matrix, PDF417, QR code)

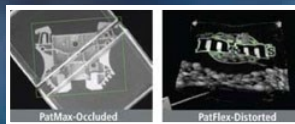


eazyOCR

- High-speed optical character recognition and verification.

Cognex offers complete vision solutions consisting of vision controllers, vision hardware, and vision software. Cognex's complete software environment to allow organizations to build 2D, 3D, and multi-camera vision software applications.

VISION XPERT



Geometric pattern matching and inspection

The patented PatMax® algorithm is the industry's gold standard for part and feature location, providing accuracy and repeatability under the most challenging conditions.



Identification, OCR and OCV
IDMax® and 2DMax+ read even the most degraded Data Matrix codes, OCRMax™ provides high-speed optical character recognition and verification.



Color sorting, matching and monitoring



Find, measure/gauge, and analyze



3D Tools

Accurate, real-time, Used to automate challenging assembly verification, logistics, and robot applications in automotive.

WWW.TACVISIONSYSTEM.COM

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VI.0



Semiconductor and Electronics



- High precision alignment
- Board, wafer, and die inspection
- Metrology
- Lead frame inspection
- LED and LCD functional testing

Automotive



- Robot guidance
- Part traceability
- Gauging critical dimensions
- Presence of weld nuts, springs, and fasteners
- Bead tracking for sealants
- Racking and de-racking

Food and Beverage



- Verify date and lot codes
- Picking and packaging
- Label inspection
- Presence of caps, labels, and tamper seals
- Whole package inspection
- Verifying bag closure

Pharmaceutical



- Verify date and lot codes
- Label inspection
- Whole package inspection
- Sort by color
- Read 1-D and 2-D barcodes

Robot Guidance and Part Location



- Part location for automated palletizing
- Locate, identify, and inspect components
- Pick & place on conveyors
- Robotic inspection
- Guide assembly

Vision Tools for eazyVISION

eazyVISION	Part Location	Presence / Absence	Measurement	ID Reading	OCR
eazyCHECK	✓	✓			
eazyGAUGE	✓		✓		
eazyID	✓			✓	
eazyOCR	✓				✓

Vision Tools for visionXPERT

	Alignment	Color Tools	ID Tools	Essential Tools
VisionXPERT	PatMax, PatFlex	SearchMax	ID Max	Blob Analysis
	PatMax Synthetic	Color Extractor	Industrial Code	Checker Board Calibration
	PatMax SA, PatMax XLC	Color match	2D Symbols	FindCircle, Edges, Caliper
	PatInspect, PatInspect Area	Color Segmentation	OCR+OCV	Image Processing

Specifications

PRODUCT	eazyVISION	visionXPERT
eazyVISION - XXXX, visionXPERT - XXXX		
	XXXX = 1000 = 1 Camera 3000 = 3 Cameras	2000 = 2 Cameras 4000 = 4 Cameras
No. Cameras (GigE)	Max 2 Camera	Max 4 Camera
Resolutions	2 Meg Pixels	2-10 Meg Pixels
Input Trigger	1-2 (10-30 VDC)	1-4 (10-30 VDC)
Input Job Control	15 Jobs (10-30 VDC)	
Output Signal (OK,NG)	Relay 30VDC@1A 240VAC@0.25A	
Monitor Display	LCD 15"	
Power	220Volt (550 watts)	
Operating Temperature	0~50° C (32~122° F)	
Storage Temperature	-20~60° C (-4~140° F)	
Humidity	5~95% @ 40° C	
L x W x H	450x510x1460 mm	800x700x1500 mm

Includes Accessories

- Vision controller Cabinet
- Camera Set
- Bar Light

Distributor by

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