

Messen
 Prüfen
 Kontrollieren
 Sortieren
 Positionieren
 Vollständigkeitskontrolle
 Vorhandenseinskontrolle
 Oberflächeninspektion
 Teileprüfung
 Werkzeugvoreinstellung
 3D Sehen
 3D Erkennung
 Robot Vision
 Markierungskontrolle
 Koplanarität
 BGA-Prüfung
 Konturprüfung
 Fehler- und Verschmutzungserkennung
 OCR / OCV
 Zeichenerkennung
 Code Lesen
 Faden- und Stoffprüfung
 Papier- und Folienprüfung
 Metallprüfung
 Displayprüfung LCD, LED, OLED
 Mustervergleich
 Blasenkontrolle
 Robotersteuerung
 Bohrer Vermessung
 Thermografie
 Plastik-Inspektion
 2D
 und vieles mehr...

Product data:

EyeSensN Match

Next Generation Vision Sensor



Description: Easy Pattern Matching!

EyeSensN Match contains the KeyMatch command for easy Pattern Matching.

KeyMatch detects component parts according to characteristics and then compares them to the characteristics defined by the user.

Therefore it is possible to configure a component part with just a few mouse clicks, and then detect its position and rotation and compare it to the configured pattern.

The camera has a motor zoom and integrated LED illumination. There is also a C-mount version available.


























More information on our website: www.evt-web.com.

Contact us if you have any questions: **+49 (0) 721 668 004 23 0**

Sensor Models

Model	Resolution	Sensor	Focal length [mm]	Integrated illumination	Processor DualCore
ESN Match_0	800 x 600	1/3.6" CMOS	wide (5,2)	LED: white, red or infrared	866 MHz
			medium (9,6)		
			narrow (20)		
ESN Match_1	800 x 600	1/3.6" CMOS	C-Mount	none	866 MHz
ESN Match XHR_0	1440 x 1080	1/2.9" CMOS	wide (6,5)	LED: white, red or infrared	866 MHz
			medium (12)		
			narrow (20)		
ESN Match XHR_1	1440 x 1080	1/2.9" CMOS	C-Mount	none	866 MHz

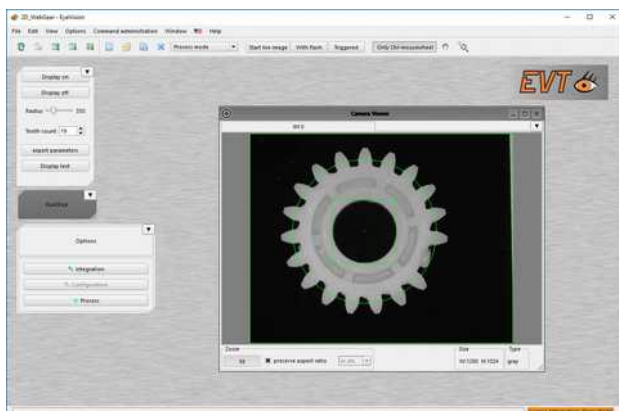
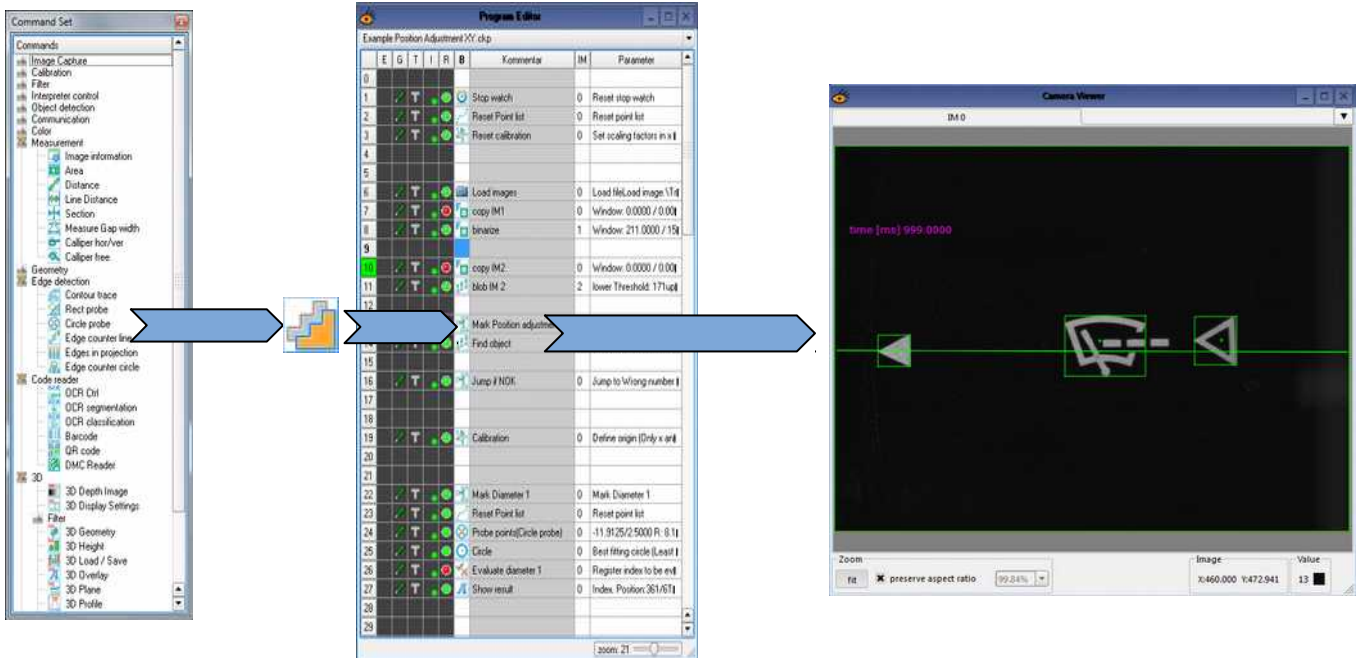
Command Set

	Image Acquisition		Object count BLOB		Script Interpreter		Overlay Arrow
	Asynchronous Image Acquisition		Check Input		Window		Overlay Circle
	Camera Control		Set Output		Rectangular edge detection		Overlay Cross
	Calibration		Display Register Values		KeyMatch		Overlay Line
	Stop watch		Global String				Overlay Square
	Program Flow Control		Image Transfer				
	Subroutine call		Image Information				
	Value evaluation		Point List				

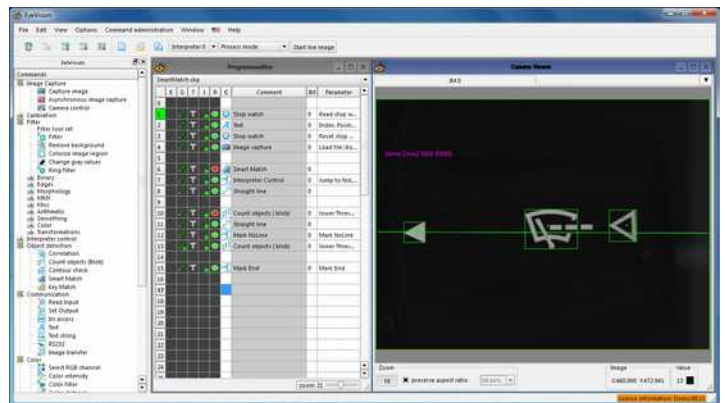
EyeVision Software

The drag-and-drop software with the graphical user interface.

Every EyeSensN vision sensor contains the EyeVision software with a specially activated command set (see list above). This command set can be extended with any command out of the EyeVision command range.



EyeVision Process Mode



EyeVision Configuration Mode

Further EyeSensN Vision Sensors:

- EyeSensN BarCode Reader
- EyeSensN ColorInspect
- EyeSensN OCR Reader
- EyeSensN DMC Reader
- EyeSensN Measure
- EyeSensN Advanced DMC, BarCode, OCR
- EyeSensN Object Count
- EyeSensN Advanced DMC, BarCode

Technical Data

EyeSensN Vision Sensors have either integrated lens (Field of View: weit, mittel, eng) with motorized zoom and illumination (8 LEDs). Or optionally a C-mount connector.

Electrical Data

Operating voltage	18 ... 30 V DC
Current consumption (without I/O)	< 300 mA
Protective circuits	Reverse-polarity protection / short-circuit protection of all outputs
Power on Delay	ca. 13 s after Power on
Outputs	PNP/NPN (switchable)
Max. output current (per output)	50 mA, 100 mA (Pin 12)
Switching threshold inputs incl. encoder	PNP/NPN High > U-1V / Low < 3V
Input resistance	> 20 kOhm
Interfaces	Ethernet (LAN), EtherNet/IP, PROFINET
Inputs/ Outputs	2 inputs, 2 outputs 6 selectable inputs/outputs
Encoder	yes

Mechanical Data

Dimensions	70,4 x 45 x 45 mm (ohne Stecker)
Enclosure rating	IP 67 & IP 65
Material, housing	Aluminium, die-cast, RoHS compliant
Material, front screen	Plastic
Ambient temperature: operation	0 ... +50 °C
Ambient temperature: storage	-20 ... +60 °C
Weight	ca. 200 g
Plug connection	Supply and I/O M12 12-pin, Ethernet M12 4-pin
Vibration resistance	EN 60068-2-6
Shock resistance	EN 60068-2-27

Dimensions

