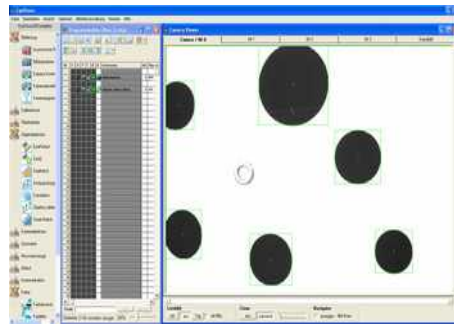


Messen
Prüfen
Kontrollieren
Sortieren
Positionieren
Vollständigkeitskontrolle
Vorhandenseinskontrolle
Oberflächeninspektion
Teileprüfung
Werkzeugvoreinstellung
3D Sehen
3D Erkennung
Robot Vision
Markierungskontrolle
Koplanarität
BGA-Prüfung
Konturprüfung
Fehler- und Verschmutzungserkennung
OCR / OCV
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 ObjectCount

Next Generation Vision Sensor



Description:

Easy object counting!

The Object Count (BLOB) command is a very flexible command.

The command differentiates between different brightness regions in an image.

The correlation command finds a gray scale pattern which has been defined in advance. It also reports the position of the pattern and evaluates the resemblance to the previously defined pattern.

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



























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Sensor Models

Model	Resolution	Sensor	Focal length [mm]	Integrated illumination	Processor DualCore
ESN ObC_0	800 x 600	1/3.6" CMOS	wide (5,2)	LED: white, red or infrared	866 MHz
			medium (9,6)		
			narrow (20)		
ESN ObC_1	800 x 600	1/3.6" CMOS	C-Mount	none	866 MHz
ESN ObC XHR_0	1440 x 1080	1/2.9" CMOS	wide (6,5)	LED: white, red or infrared	866 MHz
			medium (12)		
			narrow (20)		
ESN ObC XHR_1	1440 x 1080	1/2.9" CMOS	C-Mount	none	866 MHz

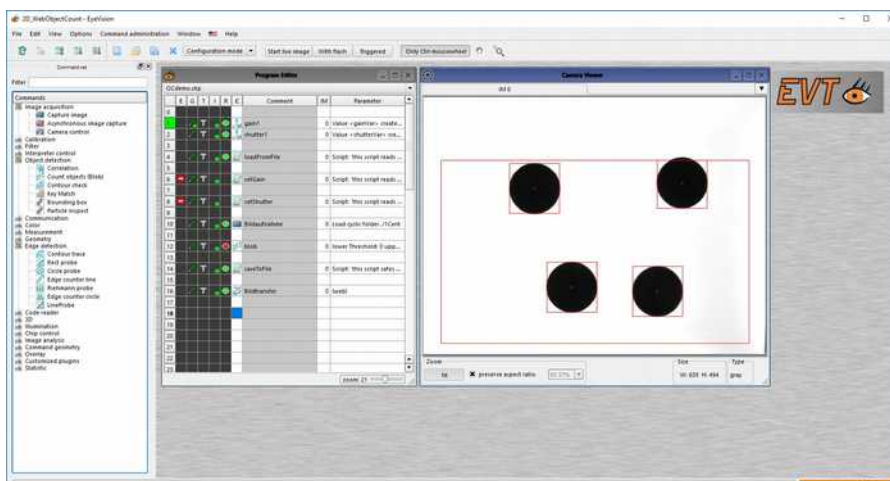
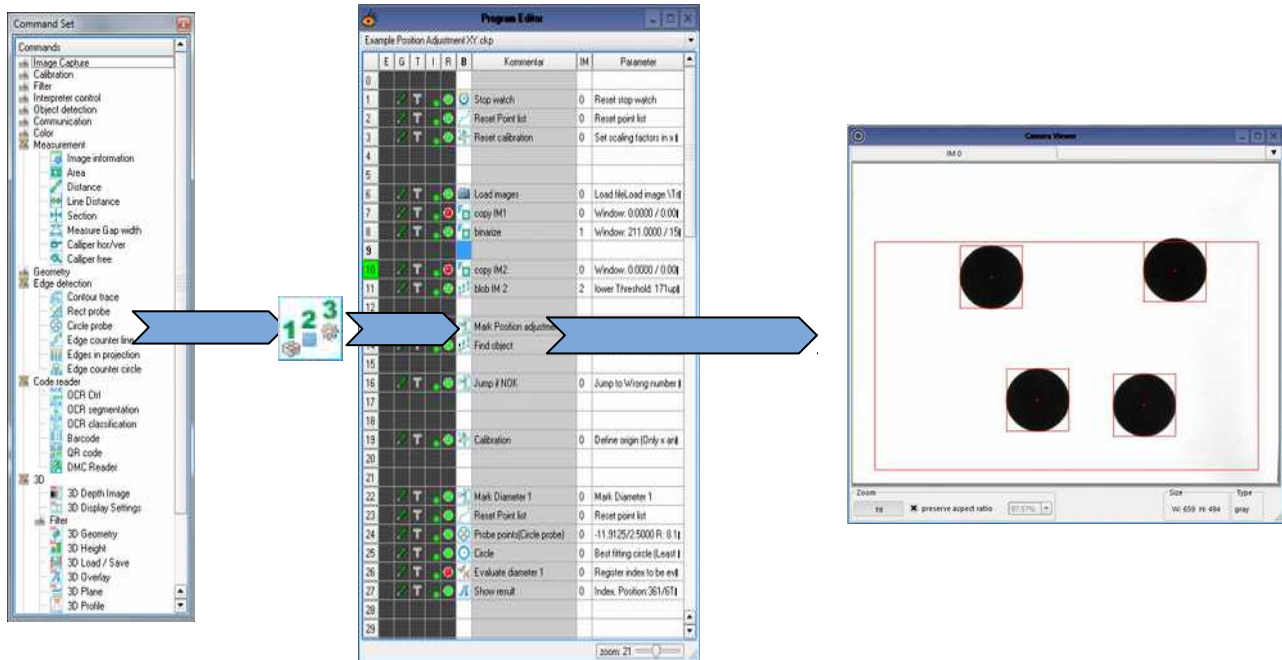
Command Set

	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		Scale Gray Values		Overlay Line
	Stop watch		Global String		Point Operation Set		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 Configuration Mode: Counting objects with the BLOB command

Further EyeSensN Vision Sensors:

- EyeSensN BarCode Reader
- EyeSensN ColorInspect
- EyeSensN OCR Reader
- EyeSensN DMC Reader
- EyeSensN Match
- EyeSensN Advanced DMC, BarCode, OCR
- EyeSensN Measure
- 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

