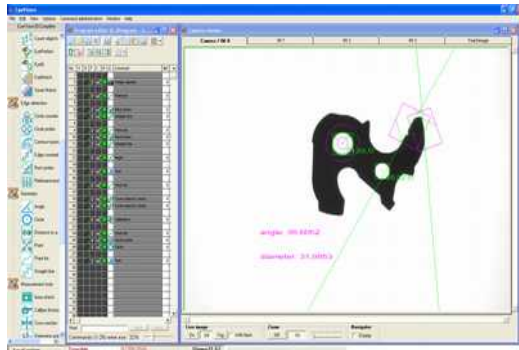


- Messen
- Prüfen
- Kontrollieren
- Sortieren
- Positionieren
- Vollständigkeitskontrolle
- Vorhandenseinskontrolle
- Oberflächeninspektion
- Teileprüfung
- Werkzeugvoreinstellung
- 3D Sehen
- 3D Erkennung
- Robot Vision
- Markierungskontrolle
- Koplanarität
- BGA-Prüfung
- Konturprüfung
- Fehler- und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

Next Generation Vision Sensor



Description:

Easy Measurement!

The Free Caliper command works similar to a real caliper and is placed on the area that has to be measured.

The Distance command determines the distance according to the selected options, between two points or a point and a straight line.

The EyeSensN 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.

Please 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 Meas_0	800 x 600	1/3.6" CMOS	wide (5,2)	LED: white, red or infrared	866 MHz
			medium (9,6)		
			narrow (20)		
ESN Meas_1	800 x 600	1/3.6" CMOS	C-Mount	none	866 MHz
ESN Meas XHR_0	1440 x 1080	1/2.9" CMOS	wide (6,5)	LED: white, red or infrared	866 MHz
			medium (12)		
			narrow (20)		
ESN Meas XHR_1	1440 x 1080	1/2.9" CMOS	C-Mount	none	866 MHz

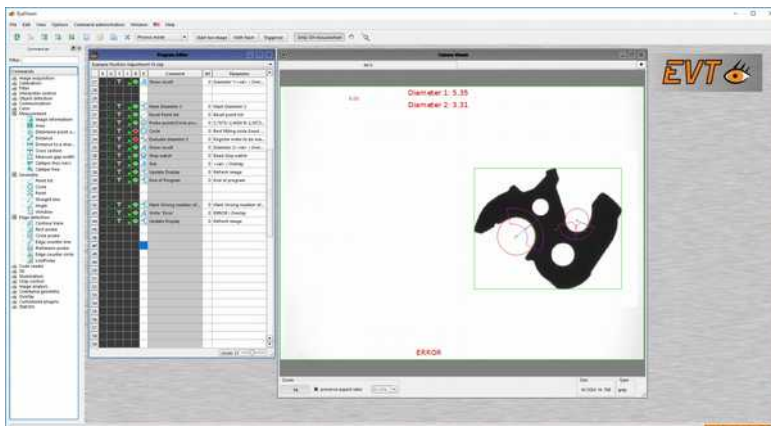
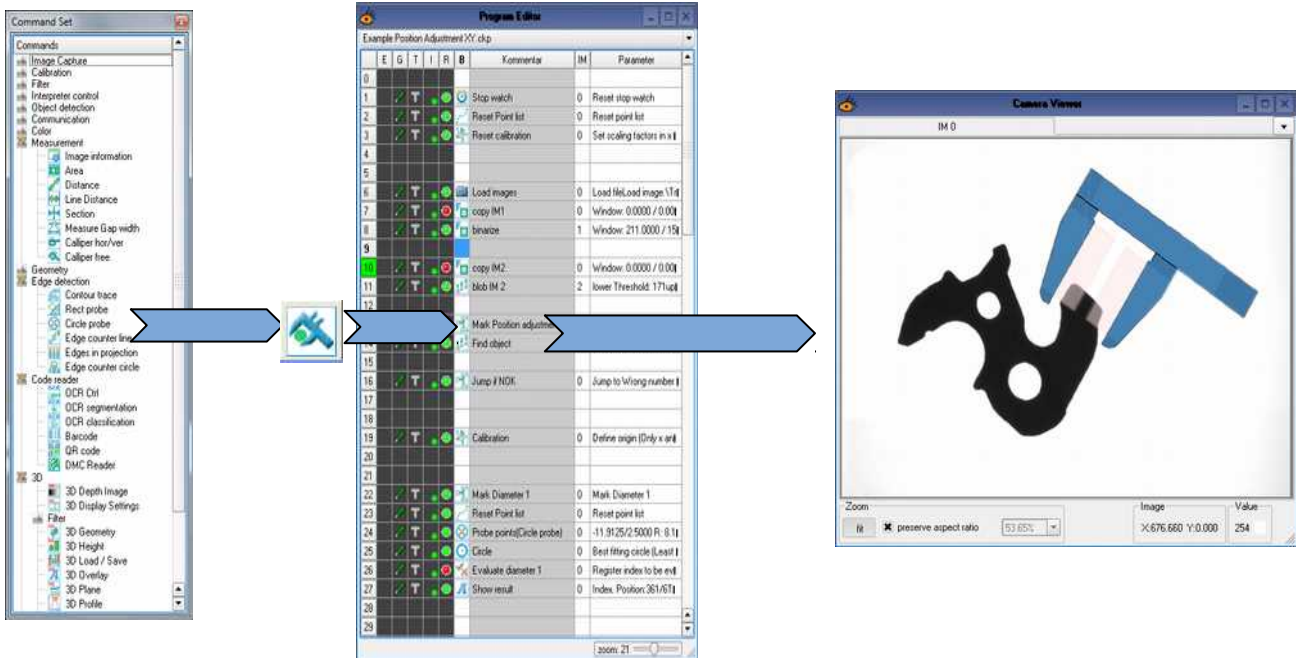
Command Set

	Image Acquisition		Object count BLOB		Script Interpreter		Distance (Point-Line)		Contour Tracking
	Asynch. Image Acquisition		Check Input		Window		Distance (Line-Line)		Circle edge detection
	Camera Control		Set Output		Rectangular edge detection		Caliper (hor./vert.)		Edge counter on a line
	Calibration		Display Register Values		Overlay Arrow		Caliper any direction		Edge counter on a circle
	Stop watch		Global String		Overlay Circle		Best fit Circle		
	Program Flow Control		Image Transfer		Overlay Cross		Point Operation set		
	Subroutine call		Image Information		Overlay Line		Best fit straight line		
	Value evaluation		Point List		Overlay Square		Calculate angle		

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: measure diameter with Circle Commands

Further EyeSensN Vision Sensors:

- | | |
|---|---|
| <ul style="list-style-type: none"> • EyeSensN BarCode Reader • EyeSensN OCR Reader • EyeSensN Match • EyeSensN Object Count | <ul style="list-style-type: none"> • EyeSensN ColorInspect • EyeSensN DMC Reader • EyeSensN Advanced DMC, BarCode, OCR • 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

