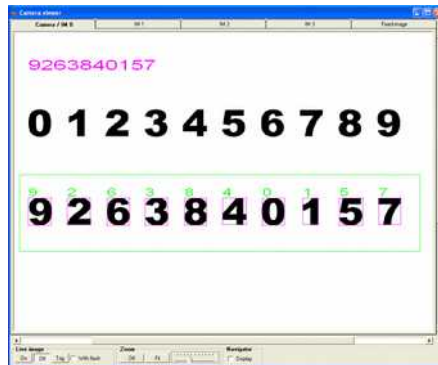


- Messen
- Prüfen
- Kontrollieren
- Sortieren
- Positionieren
- Vollständigkeitskontrolle
- Vorhandenseinskontrolle
- Oberflächeninspektion
- Teileprüfung
- Werkzeugvoreinstellung
- 3D Sehen
- 3D Erkennung
- Robot Vision
- Markierungskontrolle
- Koplanarität
- BGA-Prüfung
- Konturprüfung
- Fehler- und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

## Next Generation Vision Sensor



### Description:

The best OCR solution!

The command set initialises a character chain. After the character separation and character recognition the character chain can be displayed.

All characters in the character chain are inspected according to the Quad-Tree-Method

Objects of a certain brightness are searched in a given window.

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




























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**[www.evt-web.com](http://www.evt-web.com)**.

Or 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 OCR_0	800 x 600	1/3.6" CMOS	wide (5,2)	LED: white, red or infrared	866 MHz
			medium (9,6)		
			narrow (20)		
ESN OCR_1	800 x 600	1/3.6" CMOS	C-Mount	none	866 MHz
ESN OCR XHR_0	1440 x 1080	1/2.9" CMOS	wide (6,5)	LED: white, red or infrared	866 MHz
			medium (12)		
			narrow (20)		
ESN OCR XHR_1	1440 x 1080	1/2.9" CMOS	C-Mount	none	866 MHz

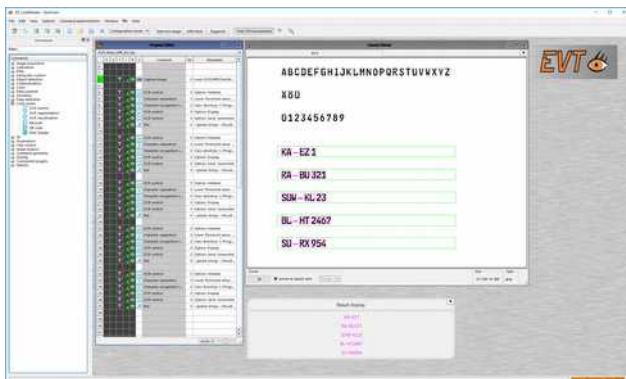
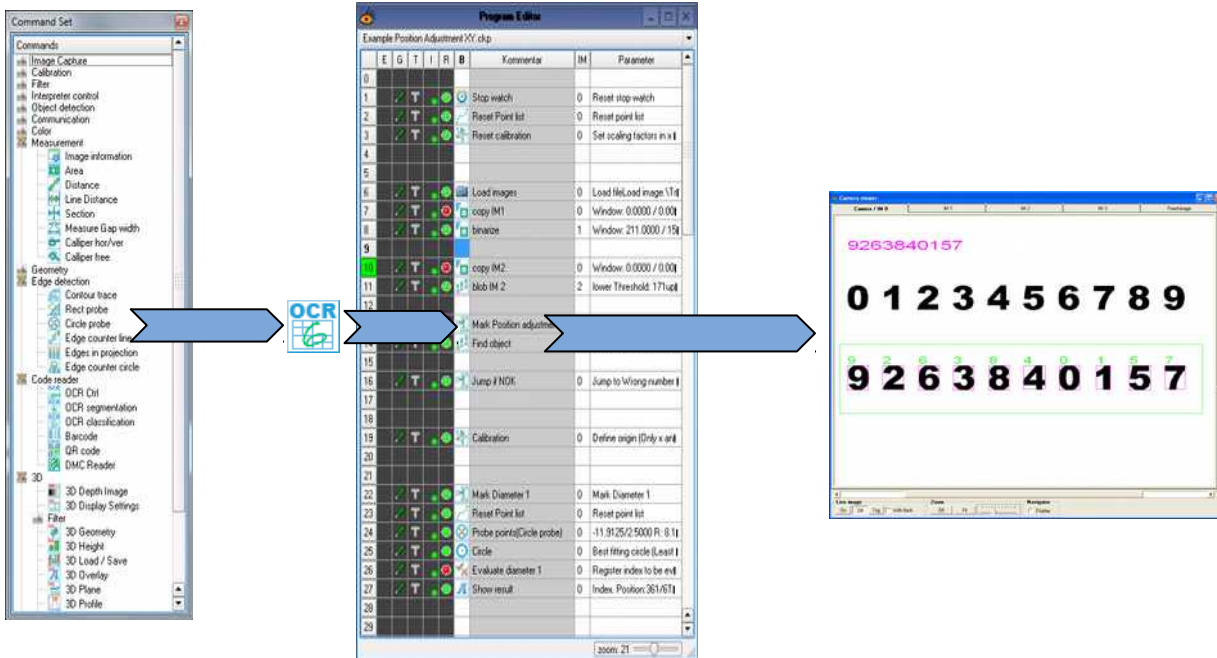
## Command Set

	Image Acquisition		Script Interpreter		Window		Overlay Arrow
	Asynchronous Image Acquisition		Check Input		Rectangular edge detection		Overlay Circle
	Camera Control		Set Output		OCR Control		Overlay Cross
	Calibration		Display Register Values		OCR Character Separation		Overlay Line
	Stop watch		Global String		OCR Character Separation edge		Overlay Square
	Program Flow Control		Image Transfer		OCR Recognition		
	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: license plate recognition



EyeVision Process Mode: expiration date inspection

## Further EyeSensN Vision Sensors:

- EyeSensN ColorInspect
- EyeSensN BarCode Reader
- EyeSensN Measure
- EyeSensN Object Count
- EyeSensN DMC
- EyeSensN Match
- 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

