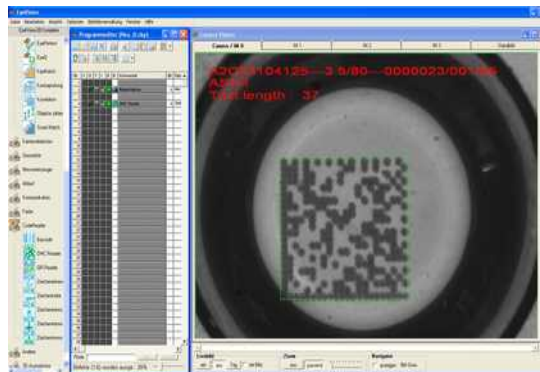


- Messen
- Prüfen
- Kontrollieren
- Sortieren
- Positionieren
- Vollständigkeitskontrolle
- Vorhandenseinskontrolle
- Oberflächeninspektion
- Teileprüfung
- Werkzeugvoreinstellung
- 3D Sehen
- 3D Erkennung
- Robot Vision
- Markierungskontrolle
- Koplanarität
- BGA-Prüfung
- Konturprüfung
- Fehler- und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

Next Generation Vision Sensor



Description:

The EyeSensN DMC Reader contains a powerful DMC reader command, which not only can read well readable codes but also codes, which are partly damaged, blurred, distorted or have low contrast and reports to the user on the quality of the code.

Additionally the EyeSens DMC has commands for image capture and text display.

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.

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 DMC_0 | 800 x 600 | 1/3.6" CMOS | wide (5,2) | LED: white, red or infrared | 866 MHz |
| | | | medium (9,6) | | |
| | | | narrow (20) | | |
| ESN DMC_1 | 800 x 600 | 1/3.6" CMOS | C-Mount | none | 866 MHz |
| ESN DMC XHR_0 | 1440 x 1080 | 1/2.9" CMOS | wide (6,5) | LED: white, red or infrared | 866 MHz |
| | | | medium (12) | | |
| | | | narrow (20) | | |
| ESN DMC XHR_1 | 1440 x 1080 | 1/2.9" CMOS | C-Mount | none | 866 MHz |

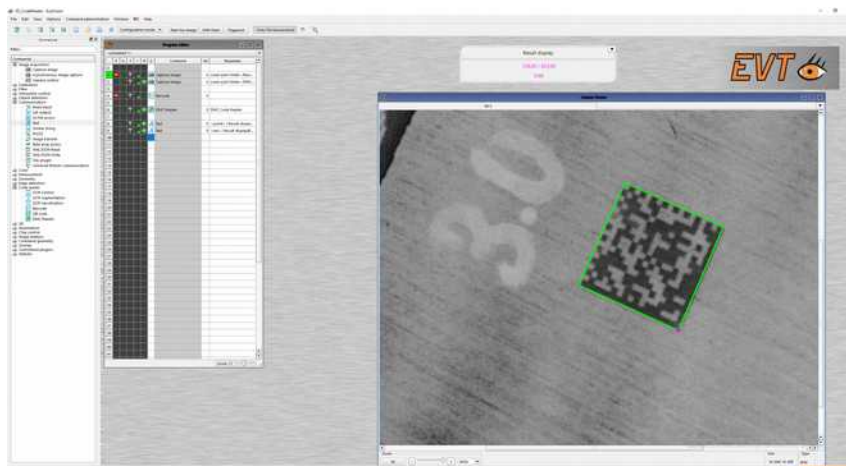
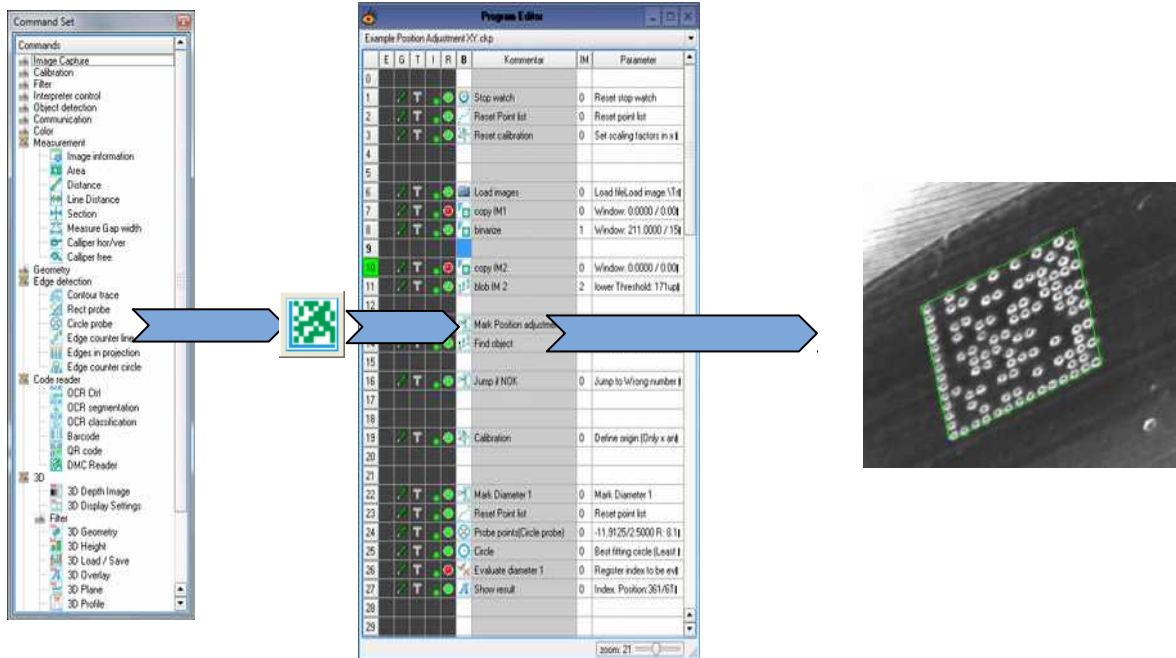
Command Set

| | | | | | | | |
|---|--------------------------------|---|-------------------------|---|----------------------------|---|----------------|
|  | 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 |  | Erosion |  | Overlay Line |
|  | Stop watch |  | Global String |  | Dilation |  | Overlay Square |
|  | Program Flow Control |  | Image Transfer |  | DMC Reader any rotation | | |
|  | 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: Tool Box, Program Editor and Camera Viewer

Further EyeSensN Vision Sensors:

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

Technische Daten

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

