Product data

Version 518

EyeCheck ZLS & ZM

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...

Description:

The smart cameras contain the EyeVision software and are then abailable as EyeCheck ZLS (line scan camera) or ZM (matrix camera).

ZLS stands for line scan camera and ZM for matrix camera. The platform is the same for both camera variations. The cameras have a FPGA and IP Core for programming the FPGA.

The ZLS & ZM series is an extremely compact and powerful smart camera, which can be easily integrated into existing systems. The cameras are available in color and gray and with the EyeVision image processing software, they can detect fine-grained patterns, which cannot be detected even by several sensor barriers or common sensors. The integrated evaluation software EyeVision allows the EyeCheck ZLS & ZM a very short period of adjustment and setup time.

For more information visit our website: **www.evt-web.com**.

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

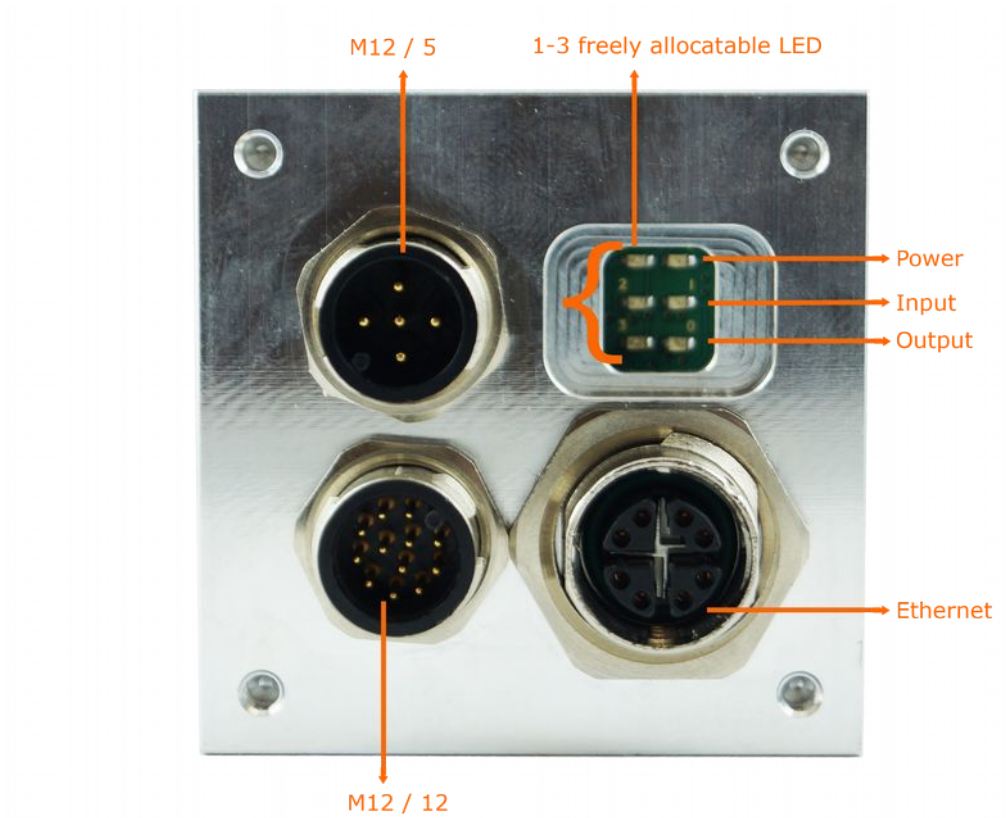
Technical Data

Operating System	Linux
Processor	Dual Core 800 MHz or 1.5. GHz optionally Myriad 2
Interface	GigE (PoE)
Interface Option	UART, SPI, I²C
Digital I/Os	4/4 galvanically separated 24V
	3 freely programmable 24V tolerant
SDK	C++ to receive image data & for parameterization
Labrary	OpenCV, EVLib, etc.
Option	as network camera for image transfere
	as RazerCam without EyeVision software

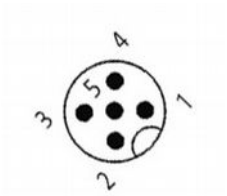
EyeCheck camera types

EyeCheck ZLS	**Resolution**	**Processor**
EC 1100 ZLS	2048 Pixel	DualCore 800 MHz
EC 1101 ZLS	2048 Pixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 1200 ZLS	4096 Pixel	DualCore 800 MHz
EC 1201 ZLS	4096 Pixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 1300 ZLS	2x2048 Pixel	DualCore 800 MHz
EC 1301 ZLS	2x2048 Pixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 2100 ZLS	2048 Pixel	DualCore 1.5 GHz
EC 2101 ZLS	2048 Pixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor
EC 2200 ZLS	4096 Pixel	DualCore 1.5 GHz
EC 2201 ZLS	4096 Pixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor
EC 2300 ZLS	2x2048 Pixel	DualCore 1.5 GHz
EC 2301 ZLS	2x2048 Pixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor
EyeCheck ZM	**Resolution**	**Processor**
EC 1100 ZM	1.6 Megapixel	DualCore 800 MHz
EC 1101 ZM	1.6 Megapixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 1200 ZM	3.2 Megapixel	DualCore 800 MHz
EC 1201 ZM	3.2 Megapixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 1300 ZM	5.1 Megapixel	DualCore 800 MHz
EC 1301 ZM	5.1 Megapixel	DualCore 800 MHz & Myriad 2 Deep Learning Prozessor
EC 2100 ZM	1.6 Megapixel	DualCore 1.5 GHz
EC 2101 ZM	1.6 Megapixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor
EC 2200 ZM	3.2 Megapixel	DualCore 1.5 GHz
EC 2201 ZM	3.2 Megapixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor
EC 2300 ZM	5.1 Megapixel	DualCore 1.5 GHz
EC 2301 ZM	5.1 Megapixel	DualCore 1.5 GHz & Myriad 2 Deep Learning Prozessor

Alle Kameratypen auch als Farbkamera erhältlich.

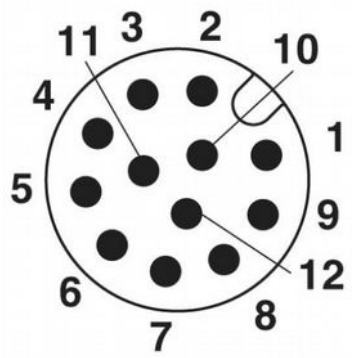


Pin assignment M12 / 5-pin connector



Pin	Cable assignment	Signal
1	Brown	IN+
2	White	GPIO
3	Blue	GND
4	Black	GPIO
5	Green / Yellow	GPIO

Pin assignment M12 / 12-pin connector



Pin	Cable assignment	Signal
1	Brown	IO+
2	Blue	IO-
3	Wight	
4	Green	
5	Pink	
6	Yellow	
7	Black	OUT -
8	Gray	
9	Red	OUT+
10	Violet	
11	Gray / Pink	
12	Red / Blue	

M12 / 8-pin
Ethernet