

Messen

Prüfen

Kontrollieren

Sortieren

Positionieren

Vollständigkeitskontrolle

Vorhandenseinskontrolle

Oberflächeninspektion

Teileprüfung

Werkzeu gvoreinstellung

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

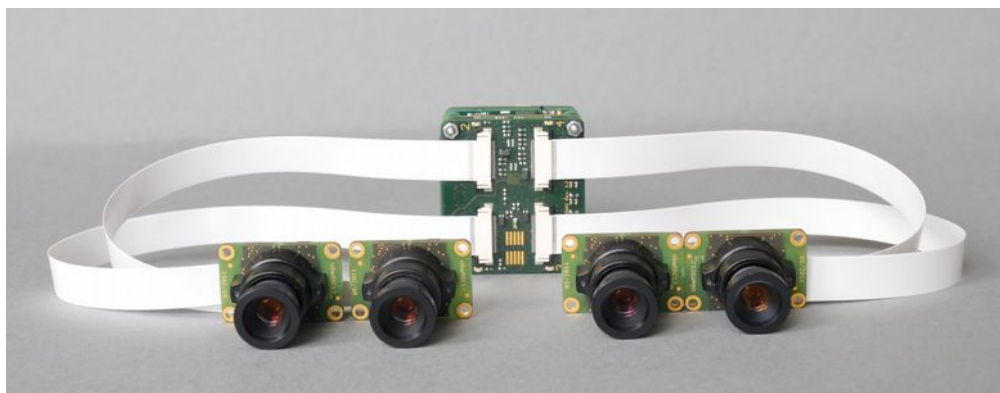
Plastik-Inspektion

2D

und vieles mehr...

Product data:

EyeCheck 8000



Description:

The combination of EyeVision software and the latest cameras of the EyeCheck 8000 series enables the user to efficiently solve image processing applications.

The smart camera offers the possibility to connect 4 sensor heads and a modular extension system.

Additionally they contain the EyeVision image processing software, with its drag-and-drop programming for an extremely user friendly handling – even without programming skills difficult tasks can be solved.

For more information have a look at our website or contact us:
+49 (0) 721 668 004 23 0

www.evt-web.com

Available Sensors

Sensor ID	8			9			12			14		
Sensor Type	Aptina MT9T031			Aptina MT9M001			Aptina MT9V024			Sony ICX445		
Technology	CMOS rolling shutter			CMOS rolling shutter			CMOS global shutter			CCD interline transfer		
Color	yes			-			yes			yes		
Monochrome	-			yes			yes			yes		
Sensor Size [inch]	1/2"			1/2"			1/3" wide			1/3		
Resolution [px]	2056 x 1544			1288 x 1032			754 x 480			1296 x 966		
Pixel Size [µm]	3.2 x 3.2			5.2 x 5.2			6 x 6			3.75 x 3.75		
Bit Depth [bit]	8/10			8/10			8/10			8/10		
Av. Camera Design	Single	Remote	-	Single	Remote	Multi	Single	Remote	Multi	Single	Remote	Multi
Min. Exposure Time [µs]	60	60	-	38	38	38	30	30	30	15	15	15
Pixel Clock [MHz]	5...48	10...48	-	5...48	10...48	26.6	13...27	13...27	26.6	36	36	26.6
Max. Frame Rate [Hz]	13	13	-	30	30	16	70	70	69	22	22	16

Sensor ID	18			20			22			42		
Sensor Type	Aptina MT9M024			Aptina AR0134			CMOSIS CMV2000			CMOSIS CMV4000		
Technology	CMOS rolling shutter			CMOS global shutter			CMOS global shutter			CMOS global shutter		
Color	yes			yes			yes			yes		
Monochrome	yes			yes			yes			yes		
Sensor Size [inch]	1/3"			1/3"			2/3" ultra wide			1"		
Resolution [px]	1280 x 960			1280 x 960			2048 x 1088			2048 x 2048		
Pixel Size [µm]	3.75 x 3.75			3.75 x 3.75			5.5 x 5.5			5.5 x 5.5		
Bit Depth [bit]	8/10			8/10			8/10			8/10		
Av. Camera Design	Single	Remote	Multi	Single	Remote	Multi	Single	-	-	Single	-	-
Min. Exposure Time [µs]	22	103	187	56	86.75	156.6	44.3	-	-	44.3	-	-
Pixel Clock [MHz]	74.25	48	26.6	74.25	48	26.6	4 x 25	-	-	4 x 25	-	-
Max. Frame Rate [Hz]	45	29	16	45	29	16	44	-	-	24	-	-

Technical Data

Operating System	Linux (Debian)
CPU	ARM Cortex-A8, 1GHz
DSP	700 MHz C674x
RAM	2 GB DDR3-800
FLASH Memory	16 GB
SD Card	yes
Ethernet	1 Gbit/s
USB Host / Device	yes / yes
GPIOs	bis zu 44
RS232 / RS485	yes / yes
SATA	yes
CAN Bus	yes
JTAG	yes
Real-time Clock (RTC)	yes
Maximum Video Resolution	1080p
S-Video	yes
RGB888	yes
HDMI	yes
Audio in/out	yes
Wake on LAN	yes

Software

Operating System: Linux	Supports <i>EyeVision</i> Software
Applications: - Industrial image processing: OCR, bar code, DMC, etc. - supervision and surveillance - Automation - bio science and medical applications	Interfaces: Mono for .NET applikationen, Webserver for remote access and MMI