

**Overview**

- PROFINET and EtherNet/IP interface integrated
- FEX image processor
- FEXLoc 360° part location
- ColorFEX intelligent 3D color assistant
- Flexible result conjunction
- Download VeriSens Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



Picture similar



**Technical data**

**General data**

Resolution	752 × 480 px
Sensor type	1/3" CMOS, color
Illumination	integrated, LED white
LED class	risk group 1 (low risk, EN 62471:2008)
High-resolution mode	max. 50 inspections per second
Object distance min.	50 mm
Object distance max.	450 mm
Number of jobs (products)	≤ 255
Features per job	32
Signal processing	Baumer FEX® 4.0
Defect image memory	32
Lens	12 mm

**Electrical data**

Nominal voltage power supply	24 V ±25 %
Nominal voltage power supply (add-on)	Class 2 according to NEC / protection class III
Nominal voltage power supply (info)	The device is intended for supply from an isolated limited power source according to UL61010-1, 3rd ed cl. 9.4 or a limited energy source according to UL60950-1 or Class 2 according to NEC.
Power consumption	Max. 18 W (with I/O)
Inputs	8 ... 30 V (polarity protected)

**Electrical data**

Digital inputs	5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
Outputs	PNP $I_{peak} = 100 \text{ mA}$ and $I_{eff} = 50 \text{ mA}$ (short-circuit proof)
Digital outputs	5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable
Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
Visualization	configurable web interface with <i>Mul-tiViewer</i> function

**Mechanical data**

Width	53 mm
Height	99.5 mm
Depth	38 mm
Weight	≤ 250 g
Material	housing: aluminum cover glass: PMMA

**Technical data**

**Environmental conditions**

Operating temperature	+5 ... +60 °C @ T = measurement point
Storage temperature	-20 ... +70 °C
Humidity	0 ... 90 % (non-condensing)
Protection class	IP 67
Vibration load	IEC 60068-2-6 IEC 60068-2-64
Mechanical shock resistance	EN 60068-2-27

**Feature checks**

Part location	part location on contours part location on edges part location on circle part location on text line
Geometry	Distance circle angle count edges point position edge characteristics

**Feature checks**

Feature comparison	count contour points contour comparison brightness contrast area size count areas pattern comparison color identification color positioning
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**Conformity**

Conformity	CE RoHS UL
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**Non-volatile memory**

Flash memory size	2000 Mbit Flash S34ML02G100BH10000
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**Electrical connection**



1: PWR (+18-30 V DC)	7: OUT3
2: Ground	8: IN3
3: IN1 (Trigger)	9: OUT4
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: OUT5



1: TD+	3: TD-
2: RD+	4: RD-

**Dimension drawing**

