



features

- User management
- Password protection
- Backup & Restore function
- coordinate conversion
- flexible result conjunction
- Download VeriSens® Application Suite: www.baumer.com/vs-sw

general data

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
illumination	integrated, LED infrared (860 nm)
LED class	free group (risk free, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	70 mm
object distance max.	300 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer FEX® 4.0
defect image memory	32
lens	16 mm

electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ($I_{max} = 1$ A at 24 V)
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet)
visualization	web interface

non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010
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mechanical data

width	53 mm
height	107,5 mm
depth	38 mm
weight	≤ 700 g
material	housing: stainless steel 1.4404 cover glass: PMMA, integrated daylight filter (780 nm)

environmental conditions

operating temperature	+5 ... +50 °C
storage temperature	-20 ... +70 °C
case temperature	max. +50 °C
humidity	0 ... 90 % (non-condensing)
protection class	IP 69K
vibration load	IEC 60068-2-6 IEC 60068-2-64
mechanical shock resistance	EN 60068-2-27

conformity

conformity	CE RoHS
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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 | contour comparison |
| | count contour points |
| | brightness |
| | contrast |
| | area size |
| | count areas |
| | pattern comparison |

electrical connection M12 / 12-pin, A-coded (on device)



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

Ethernet connection M12 / 4-pin (on device)



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

dimension drawing

