

overview

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



technical data

general data

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
illumination	integrated, LED white
LED class	risk group 1 (low risk, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	50 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer FEX® 4.0
defect image memory	32
lens	10 mm

electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ($I_{max} = 1 \text{ A}$ at 24 V)
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz

electrical data

digital outputs	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet) RS485
visualization	web interface

mechanical data

width	53 mm
height	99,5 mm
depth	38 mm
weight	≤ 250 g
material	housing: aluminum cover glass: PMMA

environmental conditions

operating temperature	+5 ... +60 °C @ T = measurement point
storage temperature	-20 ... +70 °C
case temperature	max. +50 °C
humidity	0 ... 90 % (non-condensing)
protection class	IP 67
vibration load	IEC 60068-2-6 IEC 60068-2-64

technical data

environmental conditions

mechanical shock resistance	EN 60068-2-27
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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
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geometry	distance circle angle count edges point position edge characteristics
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feature comparison	count contour points contour comparison brightness contrast area size count areas pattern comparison
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conformity

conformity	CE KC (R-REI-BkR-VeriSens-RP) RoHS UL
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non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010
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Electrical connection



1: PWR (+18-30 V DC)	7: OUT3
2: Ground	8: IN3
3: IN1 (Trigger)	9: RS485+
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: RS485-



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

dimension drawing

