

overview

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



technical data

general data		electrical data	
resolution	752 × 480 px	initial setup	Ethernet (10BASE-T / 100BASE-TX)
sensor type	1/3" CMOS, monochrome	process interface	TCP/UDP (Ethernet) RS485
illumination	integrated, LED white	visualization	web interface
LED class	risk group 1 (low risk, EN 62471:2008)	mechanical data	
high-resolution mode	max. 50 inspections per second	width	53 mm
high-speed mode (limited resolution)	max. 100 inspections per second	height	99,5 mm
object distance min.	50 mm	depth	38 mm
number of jobs (products)	≤ 255	weight	≤ 250 g
features per job	32	material	housing: aluminum cover glass: PMMA
signal processing	Baumer FEX® 4.0	environmental conditions	
defect image memory	32	operating temperature	+5 ... +50 °C
lens	10 mm	storage temperature	-20 ... +70 °C
electrical data		case temperature	max. +50 °C
voltage supply range +Vs	18 ... 30 V DC	humidity	0 ... 90 % (non-condensing)
power consumption	typical 5 W (I _{max} = 1 A at 24 V)	protection class	IP 67
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz	vibration load	IEC 60068-2-6 IEC 60068-2-64
digital outputs	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable	mechanical shock resistance	EN 60068-2-27

technical data

code types

barcode	2/5 Industrial 2/5 Interleaved Codabar Code 39 Code 93 Code 128 PharmaCode EAN 8 EAN 13 UPC-A UPC-E GS1 DataBar GS1 128
matrix code	DataMatrix (ECC 200) GS1-DataMatrix QR-Code PDF417
font	many font styles (recommended: sans serif, proportional) Dot Matrix characters: A-Z a-z 0-9 + - . : / ()

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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feature checks

geometry	distance circle angle count edges point position edge characteristics
feature comparison	count contour points contour comparison brightness contrast area size count areas pattern comparison
identification	barcode matrix code text

conformity

conformity	CE RoHS
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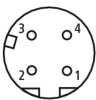
non-volatile memory

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

