

overview

- User management
- Password protection
- Backup & Restore function
- Coordinate conversion
- 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)
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	107,5 mm
object distance min.	70 mm	depth	38 mm
object distance max.	300 mm	weight	≤ 700 g
number of jobs (products)	≤ 255	material	housing: stainless steel 1.4404 cover glass: PMMA
features per job	32	environmental conditions	
signal processing	Baumer FEX® 4.0	operating temperature	+5 ... +50 °C
defect image memory	32	storage temperature	-20 ... +70 °C
lens	16 mm	case temperature	max. +50 °C
electrical data		humidity	0 ... 90 % (non-condensing)
voltage supply range +Vs	18 ... 30 V DC	protection class	IP 69K
power consumption	typical 5 W (I _{max} = 1 A at 24 V)	vibration load	IEC 60068-2-6 IEC 60068-2-64
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz	mechanical shock resistance	EN 60068-2-27
digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable		

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	contour comparison count contour points 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: OUT4
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: OUT5



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

dimension drawing

