

**Overview**

- User management
- Password protection
- Backup & Restore function
- Coordinate conversion
- flexible result conjunction
- Download VeriSens® Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



**Technical data**

General data		Electrical data	
Resolution	752 × 480 px	Process interface	TCP/UDP (Ethernet)
Sensor type	1/3" CMOS, monochrome	Visualization	web interface
Illumination	integrated, LED white	Mechanical data	
LED class	risk group 1 (low risk, EN 62471:2008)	Width	53 mm
High-resolution mode	max. 50 inspections per second	Height	107.5 mm
High-speed mode (limited resolution)	max. 100 inspections per second	Depth	38 mm
Object distance min.	50 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 ... +60 °C @ T = measurement point
Defect image memory	32	Storage temperature	-20 ... +70 °C
Lens	10 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 <sub>max</sub> = 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		
Initial setup	Ethernet (10BASE-T / 100BASE-TX)		

**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**

