

Overview

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



Picture similar



Technical data

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 ($I_{max} = 1 \text{ A at } 24 \text{ V}$)
Digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz

Electrical data

Digital outputs	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

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 ... +60 °C @ T = measurement point
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

Technical data

Environmental conditions

Mechanical shock resistance EN 60068-2-27

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

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

Non-volatile memory

Flash memory size 256 Mbit Flash S29GL256P10FFI010

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

