

overview

- PROFINET and EtherNet/IP™ interface integrated
- FEX® image processor
- FEXLoc® 360° part location
- Flexible result conjunction
- Download VeriSens® Application Suite: www.baumer.com/vs-sw
- available



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.	100 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 ($I_{max} = 1 A$ 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	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
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initial setup	Ethernet (10BASE-T / 100BASE-TX)
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process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
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visualization	configurable web interface with <i>Mul-tiViewer</i> function
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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 ... +50 °C @ T = measurement point
storage temperature	-20 ... +70 °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

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 count contour points
contour comparison
brightness
contrast
area size
count areas
pattern comparison
find object positions

identification

barcode
matrix code
text

conformity

conformity CE
KC (R-REI-BkRR-VeriSens-IP)
RoHS

non-volatile memory

flash memory size 2000 Mbit Flash S34ML02G100BHI0000

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

