

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		electrical data	
resolution	752 × 480 px	initial setup	Ethernet (10BASE-T / 100BASE-TX)
sensor type	1/3" CMOS, monochrome	process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
illumination	integrated, LED infrared (860 nm)	visualization	configurable web interface with <i>Mul-tiViewer</i> function
LED class	free group (risk free, 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.	100 mm	depth	38 mm
object distance max.	300 mm	weight	≤ 250 g
number of jobs (products)	≤ 255	material	housing: aluminum cover glass: PMMA, integrated daylight filter (780 nm)
features per job	32	environmental conditions	
signal processing	Baumer FEX® 4.0	operating temperature	+5 ... +50 °C @ T = measurement point
defect image memory	32	storage temperature	-20 ... +70 °C
lens	16 mm	humidity	0 ... 90 % (non-condensing)
electrical data		protection class	IP 67
voltage supply range +Vs	18 ... 30 V DC	vibration load	IEC 60068-2-6 IEC 60068-2-64
power consumption	Typ. 8 W (I _{max} = 1 A @ 24 V)	mechanical shock resistance	EN 60068-2-27
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz		
digital outputs	5 outputs (PNP 100 mA) 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	count contour points contour comparison brightness contrast area size count areas pattern comparison find object positions
identification	barcode matrix code text

conformity

conformity	CE RoHS
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non-volatile memory

flash memory size	2000 Mbit Flash S34ML02G100BHI0000
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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

