

Overview

- PROFINET and EtherNet/IP interface integrated
- FEX image processor
- User management
- Password protection
- Backup & Restore function
- Download VeriSens Application Suite: www.baumer.com/vs-sw



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
Object distance min.	50 mm
Object distance max.	450 mm
Number of jobs (products)	≤ 255
Features per job	32
Signal processing	Baumer FEX® 4.0
Defect image memory	32
Lens	12 mm

Electrical data

Nominal voltage power supply	24 V +- 25%
Nominal voltage power supply (add-on)	Class 2 according to NEC / protection class III
Nominal voltage power supply (info)	The device is intended for supply from an isolated limited power source according to UL61010-1, 3rd ed cl. 9.4 or a limited energy source according to UL60950-1 or Class 2 according to NEC.
Power consumption	max. 18 W (with I/O)
Inputs	8 ... 30 V (polarity protected)

Electrical data

Digital inputs	5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
Outputs	PNP $I_{peak} = 100\text{ mA}$ and $I_{eff} = 50\text{ mA}$ (short-circuit proof)
Digital outputs	5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable
Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
Visualization	configurable web interface with <i>MultiViewer</i> function

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 ... +60 °C @ T = measurement point
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VS ID510M03W12IP

ID510

Article number: 11173082

Technical data

Environmental conditions

Storage temperature	-20 ... +70 °C
Humidity	0 ... 90 % (non-condensing)
Protection class	IP 67
Vibration load	IEC 60068-2-6 IEC 60068-2-64

Mechanical shock resistance	EN 60068-2-27
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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

Code types

Font	many font styles (recommended: sans serif, proportional) Dot Matrix characters: A-Z a-z 0-9 + - . : / ()
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Feature checks

Part location	part location on text line
Feature comparison	contour comparison

Identification	Barcode Matrix code text
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Conformity

Conformity	CE RoHS KC (R-REI-BkRR-VeriSens-IP) UL
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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

