Baumer
Passion for Sensors

Vision sensors

VS ID105M03I10RP

ID105

Article number: 11144196

Overview

- 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 infrared (860 nm)
LED class	free group (risk free, EN 62471:2008)
High-resolution mode	max. 50 inspections per second
Object distance min.	50 mm
Number of jobs (products)	≤ 255
Features per job	32
Signal processing	Baumer *FEX*® 3.5
Defect image memory	32
Lens	10 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
Digital outputs	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Process interface	TCP/UDP (Ethernet) RS485

Electrical data	
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 … +50 °C
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
Mechanical shock resistance	EN 60068-2-27

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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

Code types

Matrix code	DataMatrix (ECC 200) GS1-DataMatrix QR-Code PDF417

Feature checks

Identification	Barcode Matrix code

Conformity

Conformity	CE RoHS

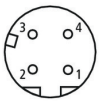
Non-volatile memory

Flash memory size	256 Mbit Flash S29GL256P10FFI010

Electrical connection

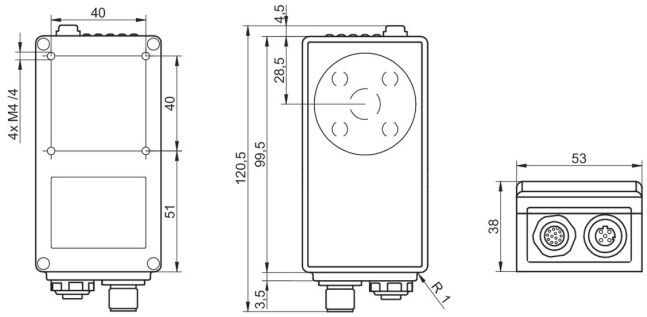


1:	PWR (+18-30 V DC)	7:	OUT3
2:	Ground	8:	IN3
3:	IN1 (Trigger)	9:	RS485+
4:	OUT1	10:	IN4
5:	IN2	11:	IN5
6:	OUT2	12:	RS485-



1:	TD+	3:	TD-
2:	RD+	4:	RD-

Dimension drawing



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