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
- Phase-Out starting 08/20, alternative via sales

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)

electrical data	
process interface	TCP/UDP (Ethernet) RS485
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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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

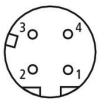
conformity	CE RoHS

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