Vision sensors

VS XF100M03I16EP

XF100

Article number: 11112924

overview

- User management
- Password protection
- Backup & Restore function
- Coordinate transformation
- flexible result conjunction
- 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
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	70 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
digital outputs	5 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)
visualization	web interface
mechanical data	
width	53 mm
height	99,5 mm
depth	38 mm
weight	≤ 250 g
material	housing: aluminum cover glass: PMMA, integrated daylight filter (780 nm)
environmental conditions	
operating temperature	+5 … +60 °C @ T = measurement point
storage temperature	-20 … +70 °C
case temperature	max. +50 °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
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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2020-03-25

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technical data

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

conformity

conformity	CE RoHS

non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010

Electrical connection

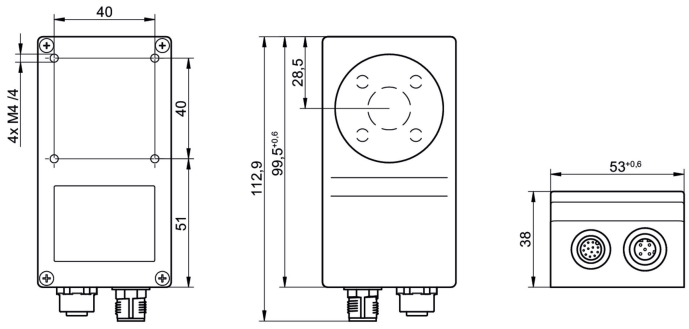


1:	PWR (+18-30 V DC)	7:	OUT3
2:	Ground	8:	IN3
3:	IN1 (Trigger)	9:	OUT4
4:	OUT1	10:	IN4
5:	IN2	11:	IN5
6:	OUT2	12:	OUT5



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

dimension drawing



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