

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		Electrical data	
Resolution	752 × 480 px	Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Sensor type	1/3" CMOS, monochrome	Process interface	TCP/UDP (Ethernet) RS485
Illumination	integrated, LED infrared (860 nm)	Visualization	web interface
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.	70 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 ... +60 °C @ T = measurement point
Defect image memory	32	Storage temperature	-20 ... +70 °C
Lens	16 mm	Case temperature	max. +50 °C
Electrical data		Humidity	0 ... 90 % (non-condensing)
Voltage supply range +Vs	18 ... 30 V DC	Protection class	IP 67
Power consumption	typical 5 W (I _{max} = 1 A at 24 V)	Vibration load	IEC 60068-2-6 IEC 60068-2-64
Digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz	Mechanical shock resistance	EN 60068-2-27
Digital outputs	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable	Feature checks	
		Part location	part location on contours part location on edges part location on circle part location on text line

VS XF100M03I16RP

XF100

Article number: 11148036

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
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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: RS485+
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: RS485-



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

Dimension drawing

