

Overview

- User management
- Password protection
- Backup & Restore function
- Coordinate transformation
- flexible result conjunction
- Download VeriSens® Application Suite: www.baumer.com/vs-sw



Picture similar



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 ($I_{\max} = 1 \text{ A at } 24 \text{ V}$)
Digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz

Electrical data

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
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

VS XF100M03I16RP

XF100

Article number: 11148036

Technical data

Environmental conditions

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

Geometry
Distance
circle
angle
count edges
point position
edge characteristics

Feature checks

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



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

Dimension drawing

