

Overview

- User management
- Password protection
- Backup & Restore function
- coordinate conversion
- 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)
Illumination	integrated, LED infrared (860 nm)	Visualization	web interface
Mechanical data		Environmental conditions	
LED class	free group (risk free, EN 62471:2008)	Width	53 mm
High-resolution mode	max. 50 inspections per second	Height	107.5 mm
High-speed mode (limited resolution)	max. 100 inspections per second	Depth	38 mm
Object distance min.	70 mm	Weight	≤ 700 g
Object distance max.	300 mm	Material	housing: stainless steel 1.4404 cover glass: PMMA, integrated daylight filter (780 nm)
Number of jobs (products)	≤ 255	Feature checks	
Features per job	32	Part location	part location on contours part location on edges part location on circle part location on text line
Signal processing	Baumer <i>FEX</i> ® 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 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		

VS XF105M03I16EP

XF105

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Technical data

Feature checks

Geometry	Distance circle angle count edges point position edge characteristics
Feature comparison	contour comparison count contour points 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: OUT4
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: OUT5



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

Dimension drawing

