

## Overview

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



## Technical data

| General data                         |                                                                                                         | Electrical data             |                                                                                                              |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| Resolution                           | 752 × 480 px                                                                                            | Process interface           | TCP/UDP (Ethernet)                                                                                           |
| Sensor type                          | 1/3" CMOS, monochrome                                                                                   | Visualization               | web interface                                                                                                |
| Illumination                         | integrated, LED infrared (860 nm)                                                                       | Mechanical data             |                                                                                                              |
| LED class                            | free group (risk free, EN 62471:2008)                                                                   | Width                       | 53 mm                                                                                                        |
| High-resolution mode                 | max. 50 inspections per second                                                                          | Height                      | 99.5 mm                                                                                                      |
| High-speed mode (limited resolution) | max. 100 inspections per second                                                                         | Depth                       | 38 mm                                                                                                        |
| Object distance min.                 | 50 mm                                                                                                   | Weight                      | ≤ 250 g                                                                                                      |
| Number of jobs (products)            | ≤ 255                                                                                                   | Material                    | housing: aluminum<br>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                                 | 10 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 <sub>max</sub> = 1 A at 24 V)                                                            | Vibration load              | IEC 60068-2-6<br>IEC 60068-2-64                                                                              |
| Digital inputs                       | 5 inputs (8 ... 30 V)<br>trigger<br>job selection<br>external teach-in<br>encoders (CH-A, CH-B) 500 kHz | Mechanical shock resistance | EN 60068-2-27                                                                                                |
| Digital outputs                      | 5 outputs (PNP)<br>Pass / Fail<br>Flash Sync<br>Alarm<br>Camera Ready<br>Output Enable                  | Feature checks              |                                                                                                              |
| Initial setup                        | Ethernet (10BASE-T / 100BASE-TX)                                                                        | Part location               | part location on contours<br>part location on edges<br>part location on circle<br>part location on text line |

# VS XF100M03I10EP

XF100

Article number: 11102229

## Technical data

### Feature checks

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Geometry           | Distance<br>circle<br>angle<br>count edges<br>point position<br>edge characteristics                                   |
| Feature comparison | count contour points<br>contour comparison<br>brightness<br>contrast<br>area size<br>count areas<br>pattern comparison |

### Conformity

|            |            |
|------------|------------|
| Conformity | CE<br>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

