



## features

- Backup & Restore function
- Download VeriSens® Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



## general data

|                           |  |
|---------------------------|--|
| resolution                | 752 × 480 px                           |
| sensor type               | 1/3" CMOS, monochrome                  |
| illumination              | integrated, LED white                  |
| LED class                 | risk group 1 (low risk, EN 62471:2008) |
| high-resolution mode      | max. 50 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® 3.5                        |
| 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)<br>trigger<br>job selection<br>external teach-in<br>encoders (CH-A, CH-B) 500 kHz |
| digital outputs          | 5 outputs (PNP)<br>Pass / Fail<br>Flash Sync<br>Alarm<br>Camera Ready<br>Output Enable                  |
| initial setup            | Ethernet (10BASE-T / 100BASE-TX)  |
| visualization            | web interface   |

## non-volatile memory

|                   |                                     |
|-------------------|-------------------------------------|
| flash memory size | 256 Mbit Flash<br>S29GL256P10FFI010 |
|-------------------|-------------------------------------|

## mechanical data

|          |  |
|----------|--|
| width    | 53 mm                                  |
| height   | 99,5 mm                                |
| depth    | 38 mm                                  |
| weight   | ≤ 250 g                                |
| material | housing: aluminum<br>cover glass: PMMA |

## environmental conditions

|                             |                                 |
|-----------------------------|---------------------------------|
| operating temperature       | +5 ... +50 °C                   |
| 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<br>IEC 60068-2-64 |
| mechanical shock resistance | EN 60068-2-27                   |

## conformity

|            |            |
|------------|------------|
| conformity | CE<br>RoHS |
|------------|------------|

## feature checks

|                    |  |
|--------------------|--|
| part location      | part location on contours                                |
| geometry           | distance<br>circle                                       |
| feature comparison | count contour points<br>contour comparison<br>brightness |

**electrical connection M12 / 12-pin, A-coded (on device)**



|                      |          |
|----------------------|----------|
| 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 |

**Ethernet connection M12 / 4-pin (on device)**



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

**dimension drawing**

