

**overview**

- Integrated flash controller
- 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)
- available



**technical data**

| general data                         |   | electrical data             |  |
|--------------------------------------|---|-----------------------------|--|
| resolution                           | 1600 × 1200 px  | initial setup               | Ethernet (10BASE-T / 100BASE-TX)   |
| sensor type                          | 1/1.8" CCD, monochrome  | process interface           | TCP/UDP (Ethernet)   |
| illumination                         | direct connection (integrated flash controller)   | visualization               | web interface  |
| illumination connection              | as accessory  | mechanical data             |  |
| high-resolution mode                 | max. 7 inspections per second   | width                       | 53 mm (without lens/tube)  |
| high-speed mode (limited resolution) | max. 15 inspections per second  | height                      | 99,5 mm (without lens/tube)  |
| number of jobs (products)            | ≤ 255   | depth                       | 49,8 mm (without lens/tube)  |
| features per job                     | 32  | weight                      | ≤ 300 g (without lens/tube)  |
| signal processing                    | Baumer FEX® 4.0   | material                    | housing: aluminum<br>cover glass: PMMA   |
| defect image memory                  | 4   | environmental conditions    |  |
| lens                                 | C-mount   | operating temperature       | +5 ... +50 °C  |
| electrical data                      |   | storage temperature         | -20 ... +70 °C   |
| voltage supply range +Vs             | 18 ... 30 V DC  | case temperature            | max. +50 °C  |
| power consumption                    | typical 5 W (I <sub>max</sub> = 1,5 A at 24 V)  | humidity                    | 0 ... 90 % (non-condensing)  |
| digital inputs                       | 5 inputs (8 ... 30 V)<br>trigger<br>job selection<br>external teach-in<br>encoders (CH-A, CH-B) 500 kHz | protection class            | IP 67 (with tube)  |
| digital outputs                      | 5 outputs (PNP)<br>Pass / Fail<br>Flash Sync<br>Alarm<br>Camera Ready<br>Output Enable                  | vibration load              | IEC 60068-2-6<br>IEC 60068-2-64  |
|                                      |   | mechanical shock resistance | EN 60068-2-27  |
|                                      |   | feature checks              |  |
|                                      |   | part location               | part location on contours<br>part location on edges<br>part location on circle<br>part location on text line |

**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 |

**integrated flash controller**

|         |   |
|---------|---|
| voltage | 12 V DC or 24 V DC (permanent)<br>24 V DC or 48 V DC (pulsed) |
|---------|---|

**integrated flash controller**

|            |  |
|------------|--|
| current    | $I_{max} = 800 \text{ mA}$ at 24 V DC (permanent)<br>( $\pm 10 \%$ , at least $\pm 100 \text{ mA}$ , at 25 °C)<br>$I_{max} = 4 \text{ A}$ at 48 V DC (pulsed) (+10/-20<br>%, at least $\pm 100 \text{ mA}$ , at 25 °C) |
| flash time | max. 1 ms (Duty Cycle max. 1:10)   |

**conformity**

|            |  |
|------------|--|
| conformity | CE<br>RoHS<br>KC (R-R-BkR-VeriSens-XC-IP)<br>EAC |
|------------|--|

**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 |



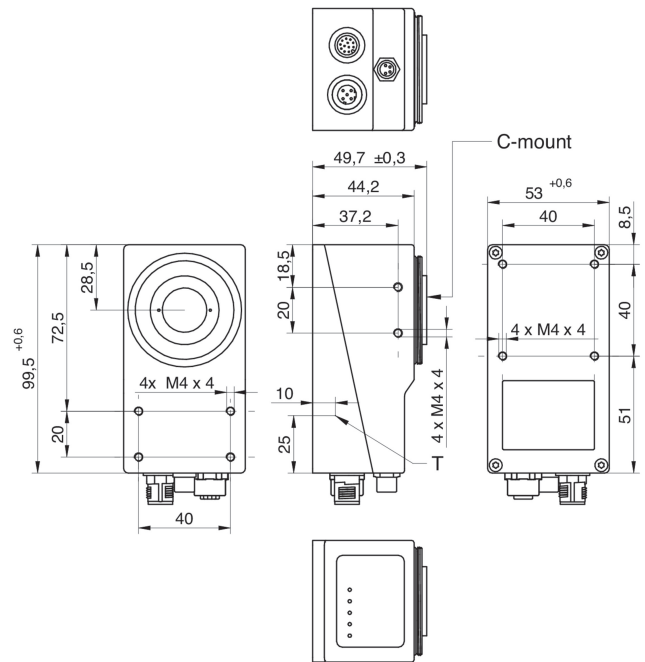
|        |        |
|--------|--------|
| 1: TD+ | 3: TD- |
| 2: RD+ | 4: RD- |



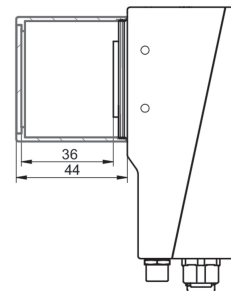
|                         |               |
|-------------------------|---------------|
| 1: +24 V or +48 V Flash | 3: Ground     |
| 2: +12 V or +24 V Flash | 4: Flash Sync |

voltage outputs configurable by software

**dimension drawing**



**C-mount support**



## XC Tube, XC Tube Module

