

**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)



Picture similar



**Technical data**

**General data**

Resolution	1280 × 960 px
Sensor type	1/3" CCD, monochrome
Illumination	direct connection (integrated flash controller)
Illumination connection	as accessory
High-resolution mode	max. 12 inspections per second
High-speed mode (limited resolution)	max. 25 inspections per second
Number of jobs (products)	≤ 255
Features per job	32
Signal processing	Baumer FEX® 4.0
Defect image memory	8
Lens	C-mount

**Electrical data**

Voltage supply range +Vs	18 ... 30 V DC
Power consumption	Typical 5 W (I <sub>max</sub> = 1.5 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

**Electrical data**

Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Process interface	TCP/UDP (Ethernet)
Visualization	web interface

**Mechanical data**

Width	53 mm (without lens/tube)
Height	99.5 mm (without lens/tube)
Depth	49.8 mm (without lens/tube)
Weight	≤ 300 g (without lens/tube)
Material	housing: aluminum cover glass: PMMA

**Environmental conditions**

Operating temperature	+5 ... +55 °C @ T = measurement point
Storage temperature	-20 ... +70 °C
Case temperature	max. +50 °C
Humidity	0 ... 90 % (non-condensing)
Protection class	IP 67 (with tube)
Vibration load	IEC 60068-2-6 IEC 60068-2-64
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
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**Technical data**

**Feature checks**

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

**Integrated flash controller**

Voltage	12 V DC or 24 V DC (permanent) 24 V DC or 48 V DC (pulsed)
Current	$I_{max} = 800 \text{ mA}$ at 24 V DC (permanent) ( $\pm 10 \%$ , at least $\pm 100 \text{ mA}$ , at 25 °C) $I_{max} = 4 \text{ A}$ at 48 V DC (pulsed) (+10/-20 %, at least $\pm 100 \text{ mA}$ , at 25 °C)
Flash time	max. 1 ms (Duty Cycle max. 1:10)

**Conformity**

Conformity	CE RoHS KC (R-R-BkR-VeriSens-XC-IP)
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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



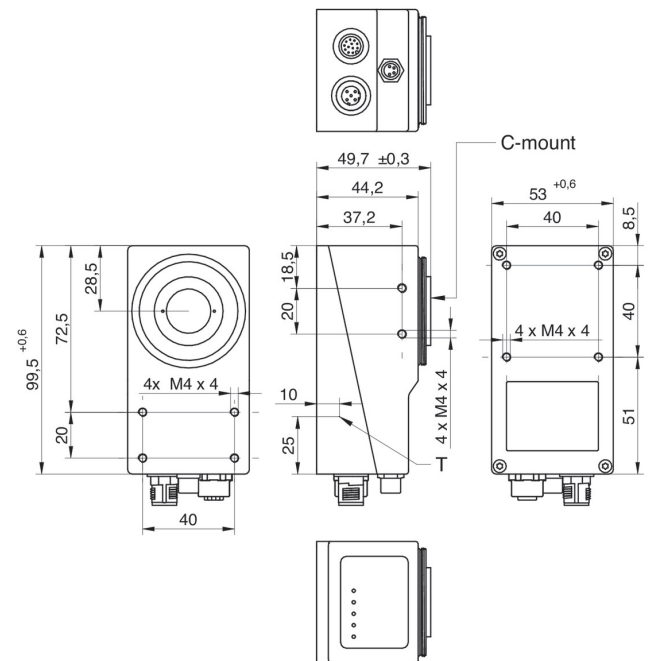
1: TD+	3: TD-
2: RD+	4: RD-



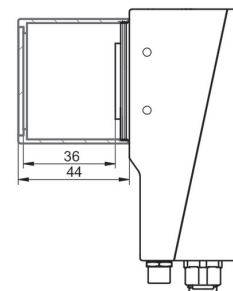
1: +24 V or +48 V Flash	3: Ground
2: +12 V or +24 V Flash	4: Flash Sync

voltage outputs configurable by software

**Dimension drawing**



**C-mount support**



## XC Tube, XC Tube Module

