

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



Technical data

General data		Electrical data	
Resolution	1280 × 960 px	Process interface	TCP/UDP (Ethernet)
Sensor type	1/3" CCD, monochrome	Visualization	web interface
Illumination	direct connection (integrated flash controller)	Mechanical data	
Illumination connection	as accessory	Width	53 mm (without lens/tube)
High-resolution mode	max. 12 inspections per second	Height	99.5 mm (without lens/tube)
High-speed mode (limited resolution)	max. 25 inspections per second	Depth	49.8 mm (without lens/tube)
Number of jobs (products)	≤ 255	Weight	≤ 300 g (without lens/tube)
Features per job	32	Material	housing: aluminum cover glass: PMMA
Signal processing	Baumer <i>FEX</i> ® 4.0	Environmental conditions	
Defect image memory	8	Operating temperature	+5 ... +55 °C @ T = measurement point
Lens	C-mount	Storage temperature	-20 ... +70 °C
Electrical data		Case temperature	max. +50 °C
Voltage supply range +Vs	18 ... 30 V DC	Humidity	0 ... 90 % (non-condensing)
Power consumption	typical 5 W ($I_{max} = 1,5$ A at 24 V)	Protection class	IP 67 (with tube)
Digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz	Vibration load	IEC 60068-2-6 IEC 60068-2-64
Digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable	Mechanical shock resistance	EN 60068-2-27
Initial setup	Ethernet (10BASE-T / 100BASE-TX)	Feature checks	
		Part location	part location on contours part location on edges part location on circle part location on text line

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)
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Integrated flash controller

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 EAC 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



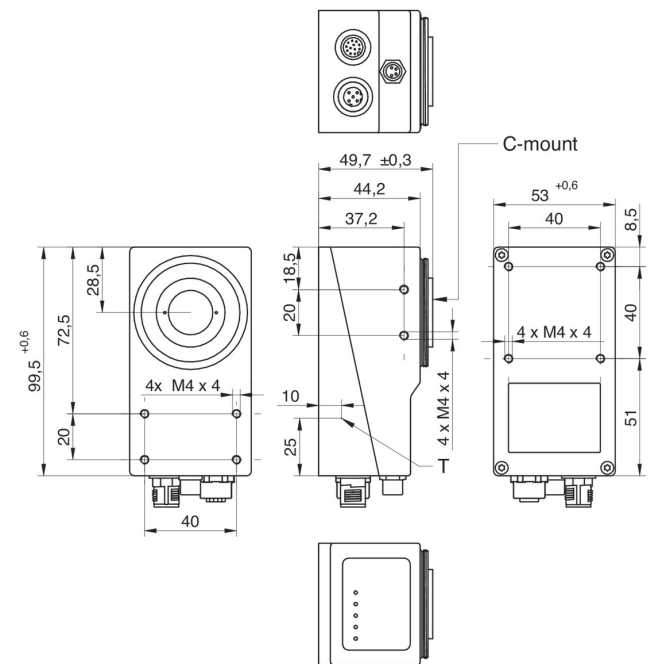
1: TD+	3: TD-
2: RD+	4: RD-



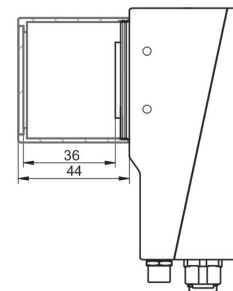
1: +24 V or +48 V Flash	3: Ground
2: +12 V or +24 V Flash	4: Flash Sync

voltage outputs configurable by software

Dimension drawing



C-mount support



VS XC100M12X00EP

XC100

Article number: 11086399

XC Tube, XC Tube Module

