

Overview

- PROFINET and EtherNet/IP interface integrated
- FEX image processor
- FEXLoc 360° part location
- ColorFex intelligent 3D color assistant
- Flexible result conjunction
- VeriFlash flash controller integrated
- VeriSens XC Tube included in delivery
- Download VeriSens Application Suite: www.baumer.com/vs-sw



Picture similar



Technical data

General data

Resolution	640 × 480 px
Sensor type	1/4" CCD, color
Illumination	external, available as accessory
Illumination connection	direct (integrated VeriFlash® flash controller)
High-resolution mode	max. 116 inspections per second
Number of jobs (products)	≤ 255
Features per job	32
Signal processing	Baumer FEX® 4.0
Defect image memory	32
Lens	C-mount

Electrical data

Nominal voltage power supply	24 V ±25 %
Nominal voltage power supply (add-on)	Class 2 according to NEC / protection class III
Nominal voltage power supply (info)	The device is intended for supply from an isolated limited power source according to UL61010-1, 3rd ed cl. 9.4 or a limited energy source according to UL60950-1 or Class 2 according to NEC.
Power consumption	Max. 42 W (with I/O and lighting)
Inputs	8 ... 30 V (polarity protected)

Electrical data

Digital inputs	5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
Outputs	PNP $I_{peak} = 100 \text{ mA}$ and $I_{eff} = 50 \text{ mA}$ (short-circuit proof)
Digital outputs	5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable
Initial setup	Ethernet (10BASE-T / 100BASE-TX)
Process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
Visualization	configurable web interface with MultiViewer function

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 XC tube: PMMA

Technical data

Environmental conditions

Operating temperature	+5 ... +55 °C @ T = measurement point
Storage temperature	-20 ... +70 °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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Geometry	Distance circle angle count edges point position edge characteristics
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Feature comparison	count contour points contour comparison brightness contrast area size count areas pattern comparison color identification color positioning
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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) UL recognized
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Non-volatile memory

Flash memory size	2000 Mbit Flash S34ML02G100BHI0000
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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-

Electrical connection



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

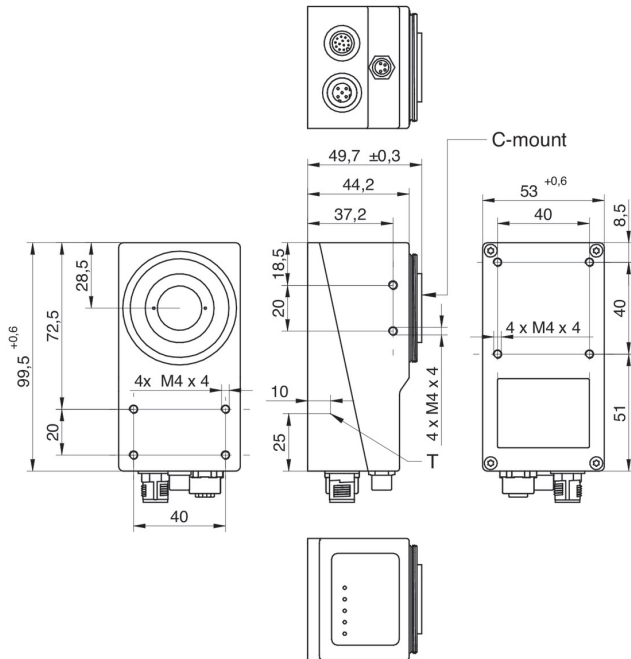
voltage outputs configurable by software

VS XC700C03X00IP

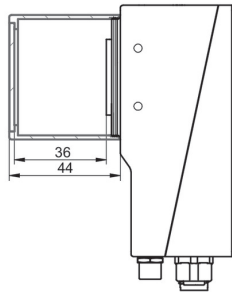
XC700

Article number: 11181282

Dimension drawing



C-mount support



XC Tube, XC Tube Module

