

Overview

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



Technical data

General data		Electrical data	
Resolution	1280 × 960 px	Digital inputs	5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
Sensor type	1/3" CCD, monochrome	Outputs	PNP $I_{peak} = 100 \text{ mA}$ and $I_{eff} = 50 \text{ mA}$ (short-circuit proof)
Illumination	external, available as accessory	Digital outputs	5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable
Illumination connection	direct (integrated <i>VeriFlash</i> ® flash controller)	Initial setup	Ethernet (10BASE-T / 100BASE-TX)
High-resolution mode	max. 32 inspections per second	Process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
High-speed mode (limited resolution)	max. 54 inspections per second	Visualization	configurable web interface with <i>MultiViewer</i> function
Number of jobs (products)	≤ 255	Mechanical data	
Features per job	32	Width	53 mm (without lens/tube)
Signal processing	Baumer <i>FEX</i> ® 4.0	Height	99.5 mm (without lens/tube)
Defect image memory	8	Depth	49.8 mm (without lens/tube)
Lens	C-mount	Weight	≤ 300 g (without lens/tube)
Electrical data		Material	housing: aluminum cover glass XC tube: PMMA
Nominal voltage power supply	24 V ± 25%	Environmental conditions	
Nominal voltage power supply (add-on)	Class 2 according to NEC / protection class III	Operating temperature	+5 ... +55 °C @ T = measurement point
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)		

Technical data

Environmental conditions

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
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Feature checks

Part location	part location on contours part location on edges part location on circle part location on text line
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 find object positions

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 EAC 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

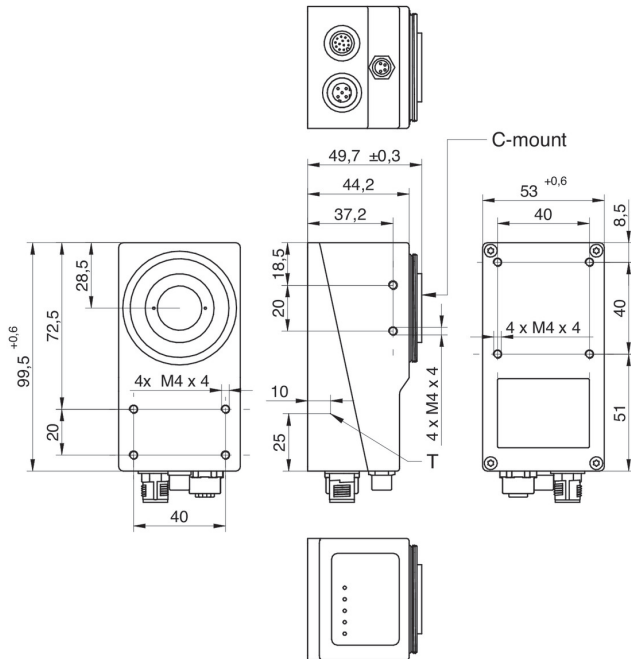
voltage outputs configurable by software

VS XC700M12X00IP

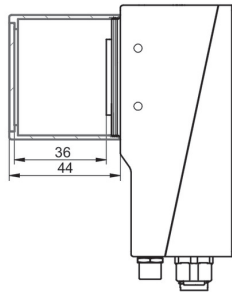
XC700

Article number: 11173084

Dimension drawing



C-mount support



XC Tube, XC Tube Module

