

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

resolution	1600 × 1200 px
sensor type	1/1.8" CCD, monochrome
illumination	direct connection (integrated flash controller)
illumination connection	as accessory
high-resolution mode	max. 7 inspections per second
high-speed mode (limited resolution)	max. 15 inspections per second
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer <i>FEX</i> ® 4.0
defect image memory	4
lens	C-mount

electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ($I_{\max} = 1,5 \text{ A}$ at 24 V)
digital inputs	5 inputs (8 ... 30 V)
trigger	job selection
external teach-in	
encoders (CH-A, CH-B)	500 kHz

electrical data

digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
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

technical data

environmental conditions

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
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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
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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) EAC UR
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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



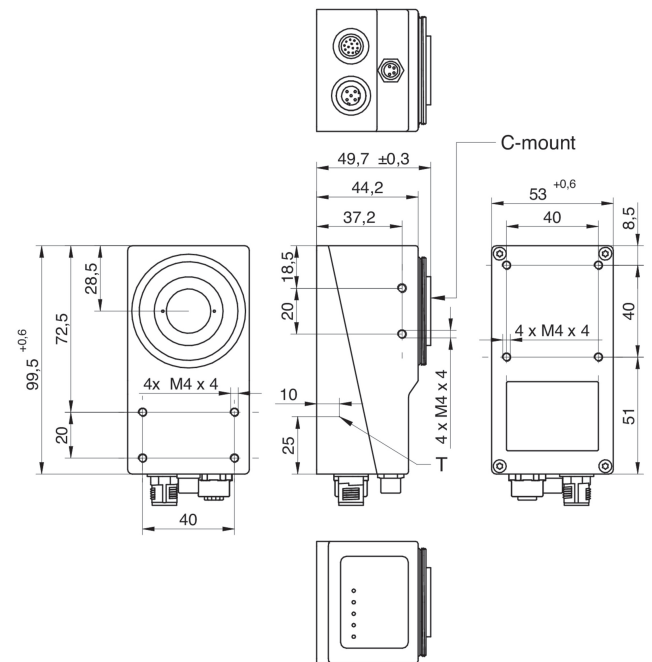
1: TD+	3: TD-
2: RD+	4: RD-



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

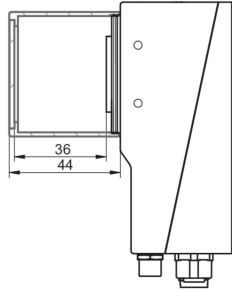


VS XC100M20X00EP

XC100

Article number: 11086410

C-mount support



XC Tube, XC Tube Module

