

**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)



**technical data**

general data		electrical data	
resolution	1600 × 1200 px	digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
sensor type	1/1.8" CCD, monochrome	initial setup	Ethernet (10BASE-T / 100BASE-TX)
illumination	direct connection (integrated flash controller)	process interface	TCP/UDP (Ethernet)
illumination connection	as accessory	visualization	web interface
high-resolution mode	max. 7 inspections per second	<b>mechanical data</b>	
high-speed mode (limited resolution)	max. 15 inspections per second	width	53 mm (without lens/tube)
number of jobs (products)	≤ 255	height	99,5 mm (without lens/tube)
features per job	32	depth	49,8 mm (without lens/tube)
signal processing	Baumer FEX® 4.0	weight	≤ 300 g (without lens/tube)
defect image memory	4	material	housing: aluminum cover glass: PMMA
lens	C-mount	<b>environmental conditions</b>	
<b>electrical data</b>		operating temperature	+5 ... +55 °C @ T = measurement point
voltage supply range +Vs	18 ... 30 V DC	storage temperature	-20 ... +70 °C
power consumption	typical 5 W (I <sub>max</sub> = 1,5 A at 24 V)	case temperature	max. +50 °C
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz	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

**code types**

barcode 2/5 Industrial  
2/5 Interleaved  
Codabar  
Code 39  
Code 93  
Code 128  
PharmaCode  
EAN 8  
EAN 13  
UPC-A  
UPC-E  
GS1 DataBar  
GS1 128

matrix code DataMatrix (ECC 200)  
GS1-DataMatrix  
QR-Code  
PDF417

font many font styles (recommended: sans serif, proportional)  
Dot Matrix  
characters: A-Z a-z 0-9 + - . : / ( )

**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 checks**

feature comparison count contour points  
contour comparison  
brightness  
contrast  
area size  
count areas  
pattern comparison

identification barcode  
matrix code  
text

**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

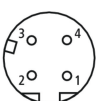
**non-volatile memory**

flash memory size 256 Mbit Flash S29GL256P10FFI010

**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

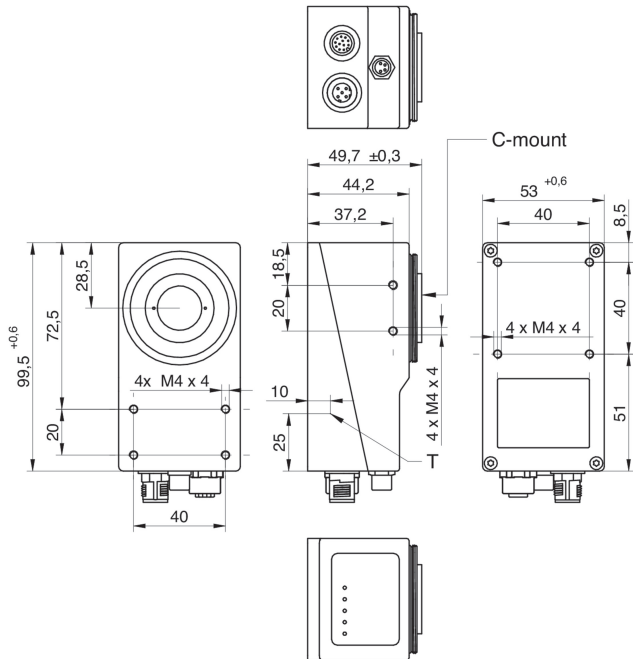
voltage outputs configurable by software

# VS XC200M20X00EP

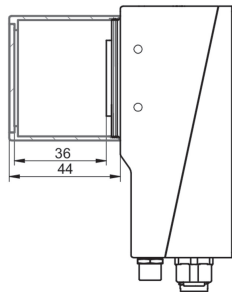
XC200

Article number: 11086177

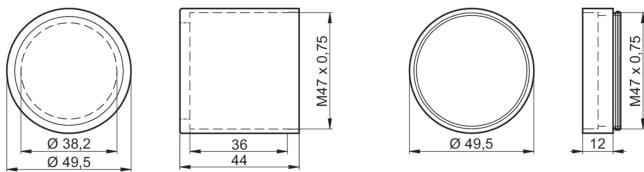
## dimension drawing



## C-mount support



## XC Tube, XC Tube Module



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