

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	1600 × 1200 px	Process interface	TCP/UDP (Ethernet)
Sensor type	1/1.8" 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. 7 inspections per second	Height	99.5 mm (without lens/tube)
High-speed mode (limited resolution)	max. 15 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	4	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)		

Technical data

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
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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 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-

Electrical connection



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

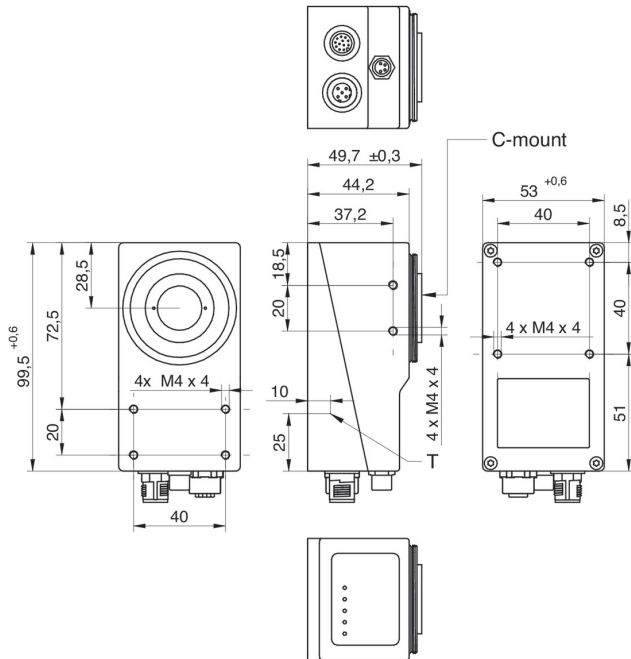
voltage outputs configurable by software

VS XC200M20X00EP

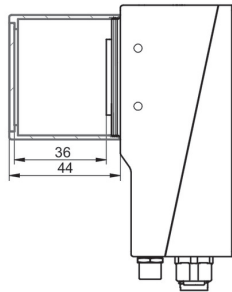
XC200

Article number: 11086177

Dimension drawing



C-mount support



XC Tube, XC Tube Module

