



features

- 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



general data

resolution	640 × 480 px
sensor type	1/4" CCD, monochrome
illumination	external, available as accessory
illumination connection	direct (integrated VeriFlash® flash controller)
high-resolution mode	max. 118 inspections per second
high-speed mode (limited resolution)	max. 144 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

voltage supply range +Vs	18 ... 30 V DC
power consumption	Typ. 8 W ($I_{max} = 1 \text{ A @ } 24 \text{ V}$) without illumination Typ. 14 W ($I_{max} = 1,5 \text{ A @ } 24 \text{ V}$) with illumination 0,8 A / 24 V
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
digital outputs	5 outputs (PNP 100 mA) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)

electrical data

process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
visualization	configurable web interface with MultiViewer function
non-volatile memory	
flash memory size	2000 Mbit Flash S34ML02G100BHI0000
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) (±10 %, at least ± 100 mA, at 25 °C) $I_{max} = 4 \text{ A}$ at 48 V DC (pulsed) (+10/-20 %, at least ± 100 mA, at 25 °C)
flash time	max. 1 ms (Duty Cycle max. 1:10)

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

environmental conditions

operating temperature	+5 ... +50 °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

conformity

conformity	CE
	RoHS
	KC (R-R-BkR-VeriSens-XC-IP)
	EAC

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

electrical connection M12 / 12-pin, A-coded (on device)



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

Ethernet connection M12 / 4-pin (on device)



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

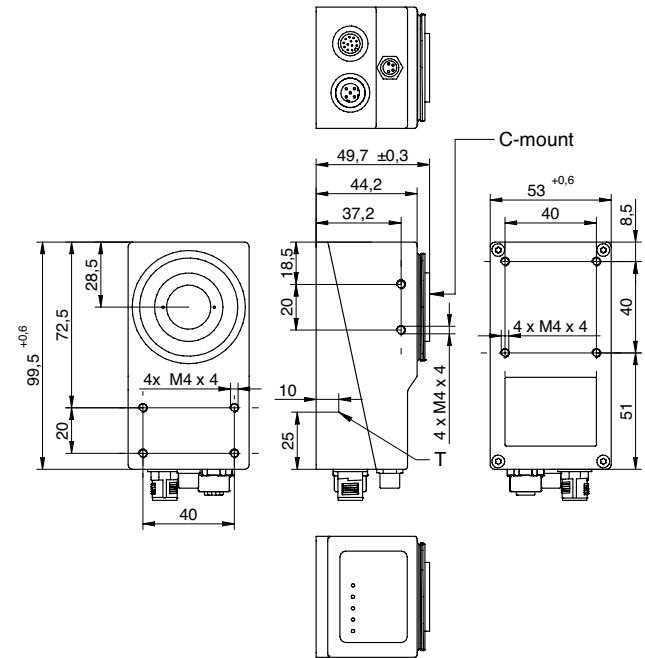
electrical connection illumination M8 / 4-pin (on device)



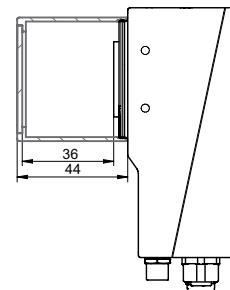
1: +24 V or +48 V Flash	3: Ground
2: +12 V or +24 V Flash	4: Flash Sync

voltage outputs configurable by software

dimension drawing



C-mount support



XC Tube, XC Tube Module

