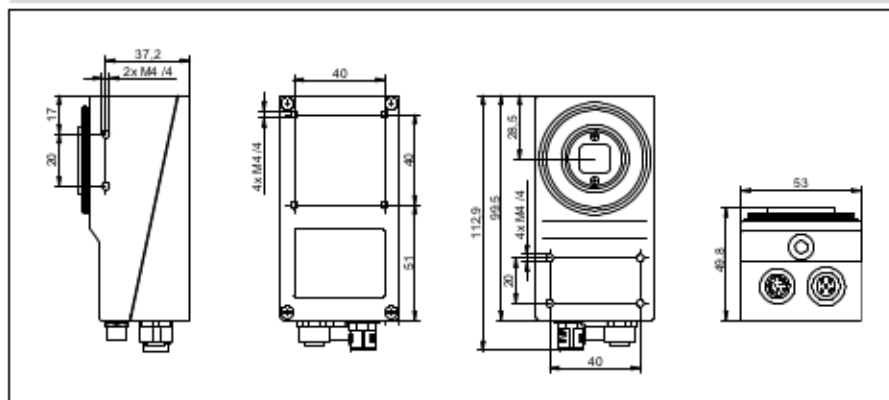


VeriSens® XC Series

Dimension drawing



General data

Resolution, Sensor (CCD)	640 x 480 px, 1/4"	1280 x 960 px, 1/3"	1600 x 1200 px, 1/1.8"
Speed			
High Resolution Mode:	Max. 50 insp./sec.	Max. 12 insp./sec.	Max. 7 insp./sec.
High Speed Mode: (Binning 2 x 2)	Max. 100 insp./sec.	Max. 25 insp./sec.	Max. 15 insp./sec.
Fault image memory	32	8	4
Number of jobs (products)	Up to 255 on the device (can be exchanged via process interface)		
Features per job	32		

Electrical data

Power supply	=== +18 ... 30 V DC
Power consumption	Typical 5W (I _{max} = 1.5 A at 24 V)
Inputs	8 ... 30 V DC
Outputs	PNP 100 mA
Digital input	Trigger, Job selection, external Teach-in, Encoder (CH-A, CH-B) 500 kHz
Digital output	Pass / Fail 1-5, Flash Sync, Alarm, Camera Ready, Output Enable

Communication

Setup	Ethernet (10 Base-T / 100 Base-TX)
Process interface	Ethernet (TCP/IP)
Visualization	Web interface

Integrated flash controller

Voltage (permanent)	=== 12 V DC or === 24 V DC
Voltage (pulsed)	∩ 24 V DC or ∩ 48 V DC
Current (permanent)	I _{max} = 800 mA at === 24 V DC (+/-10%, at least +/- 100 mA, at 25 °C)
Current (pulsed)	I _{max} = 4 A at ∩ 48 V DC (+/-10/-20%, at least +/- 100 mA, at 25 °C)
Flash time	Max. 1 ms (Duty Cycle max. 1:10)

Mechanical data

Width x Height x Depth	53 mm x 99.5 mm x 49.8 mm (without lens / tube)
Material	Housing: Aluminum, Cover glass tube: PMMA
Weight	300 g (without lens / tube)

Operating conditions

Operating temperature	+5 ... 50 °C
Humidity	0 ... 90 % (non-condensing)
Protection class	IP 67
Vibration load	IEC 60068-2-6, IEC 60068-2-64
Mechanical shock resistance	EN 60068-2-27

Photo



Connection (on device)

Electrical connection M12 / 12-pin



1: Power (+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



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

Electrical connection illumination M8 / 4-pin**



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

** Voltage outputs configurable by software