

**overview**

- 4096 × 2160 px
- Sony IMX255
- 1" CMOS
- 95 fps
- 10 GigE
- available



**technical data**

**sensor information**

sensor	Sony IMX255
resolution	4096 × 2160 px
exposure time	0,001 ... 60000 ms
pixel size	3.45 × 3.45 µm
shutter type	Global shutter
sensor type	1" CMOS

**acquisition formats**

image formats, interface frame rate max.	Full Frame, 4096 × 2160 px, max. 95 fps Binning 2×2, 2048 × 1080 px, max. 184 fps Binning 2×1, 2048 × 2160 px, max. 95 fps Binning 1×2, 4096 × 1080 px, max. 95 fps
image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 2160 px, max. 95 fps
pixel formats	Mono8 Mono10 Mono12 Mono12 Packed

**image preprocessing**

analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)
color models	Mono

**camera features**

synchronization	free running trigger
-----------------	-------------------------

**camera features**

trigger sources	Hardware software ActionCommand
trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
internal image buffer	1024 MB 109 images (Trigger Mode) 1 image (Free Running Mode)

**interfaces and connectors**

data interface	10 Gigabit Ethernet, Transfer rate 10000 Mbits/sec, Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer rate 100 Mbits/sec, Connector: M12 / 8-pol x-coded (SACC-CI-M12FS-8CON-L180-10G)
process interface	M12 / 12 pins a-coded (SACC-CI-M12MS-12CON-L180)
power supply	via M12/12 pins a-coded

**mechanical data**

lens mount	C-mount
width	60 mm
height	60 mm
depth	99,7 mm
weight	≤ 485 g
material	aluminum

**electrical data**

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 10,5 W @ 12 VDC and 95 fps

# VLXT-90M.I

Gigabit Ethernet, 8,8 Megapixel, Monochrome

Article number: 11192926

## technical data

### non-volatile memory

flash memory size 128 kB

### environmental conditions

operating temperature 0 ... +65 ° @ T = measurement point

humidity 10 ... 90 % (non-condensing)

protection class IP 40  
IP 54 (with mounted tube and cable)  
IP 65 (with mounted tube and cable)  
IP 67 (with mounted tube and cable)

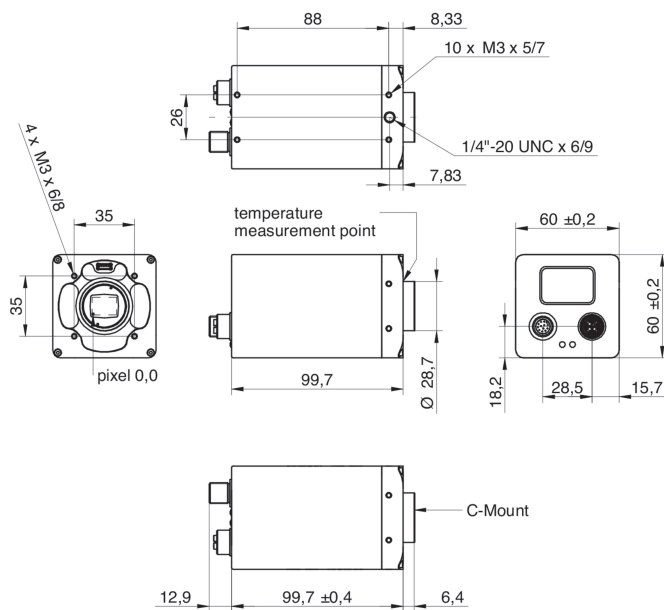
### digital I/Os

lines 2 input lines  
4 output lines with pulse width modulation (PWM) (max. 48 V / max. 2,5 A)  
RS232

### conformity

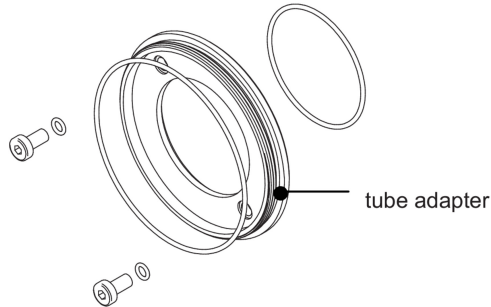
conformity CE  
RoHS  
EAC

## dimension drawing

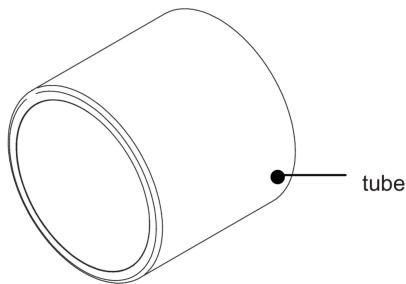


**Principle**

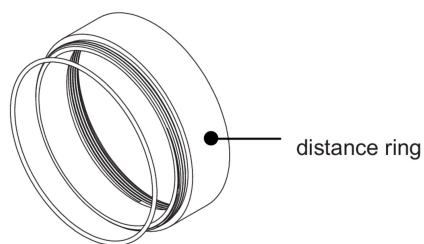
Optional accessories for protection class IP65/67:



- tube adapter
- Ø 65 mm, length 5,25 mm, hard-anodized, incl. sealing and screws (11185377)



- tube
- Ø 65 mm, length 58 mm, hard-anodized, cover glass PMMA (11185374)
  - Ø 65 mm, length 58 mm, hard-anodized, tempered laminated safety glass (11195426)



- distance ring
- Ø 65 mm, length 12 mm, hard-anodized, incl. sealing (11185375)
  - Ø 65 mm, length 6 mm, hard-anodized, incl. sealing (11185376)



Pyramid Imaging Inc  
945 East 11th Avenue  
Tampa, FL 33605  
<https://pyramidimaging.com>  
[Sales@pyramidimaging.com](mailto:Sales@pyramidimaging.com)  
(813) 984-0125