Baumer
Passion for Sensors

TX series

TXG14NIR

Gigabit Ethernet, 1,4 Megapixel, Monochrome

Article number: 11044473

overview

- 1392 × 1040 px
- Sony ICX285
- 2/3″ CCD
- 20 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



technical data

sensor information	
sensor	Sony ICX285
resolution	1392 × 1040 px
exposure time	0,004 … 60000 ms
pixel size	6.45 × 6.45 µm
shutter type	Global shutter
sensor type	2/3″ CCD
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1392 × 1040 px, max. 20 fps Full Frame HQ, 1392 × 1040 px, max. 10 fps Binning 2×2 HQ, 696 × 520 px, max. 19 fps Binning 2×2, 696 × 520 px, max. 39 fps Binning 1×2 HQ, 1392 × 520 px, max. 19 fps Binning 1×2, 1392 × 520 px, max. 39 fps Binning 2×1 HQ, 696 × 1040 px, max. 10 fps Binning 2×1, 696 × 1040 px, max. 20 fps
pixel formats	Mono8 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 … 20 dB) Offset (0 … 255 LSB 12 Bit)
color models	Mono NIR

camera features	
synchronization	free running trigger sequencer
trigger sources	Hardware software ActionCommand
trigger delay	0 … 2 sec, tracking and buffering of up to 512 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor
digital inputs	1 input line (with Debouncer)
digital outputs	1 output line
internal image buffer	32 MB
interfaces and connectors	
data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 4 pins
power supply	M8 / 3 pins
mechanical data	
lens mount	C-mount
width	36 mm
height	36 mm
depth	48 mm
weight	≤ 90 g

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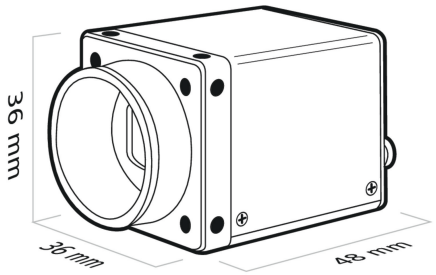
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technical data

mechanical data	
material	housing: aluminum
electrical data	
voltage supply range +Vs	8 … 30 V DC
power consumption	approx. 4,0 W
environmental conditions	
operating temperature	+5 … +50 °C
humidity	10 … 90 % (non-condensing)

environmental conditions	
protection class	IP 40
conformity	
conformity	CE RoHS FCC UL EAC

dimension drawing



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