Baumer
Passion for Sensors

VisiLine series

VLU-12M

USB 3.0, 1,2 Megapixel, Monochrome

Article number: 11129461

overview

- 1288 × 960 px
- Sony ICX445
- 1/3″ CCD
- 42 fps
- USB 3.0
- available



technical data

sensor information	
sensor	Sony ICX445
resolution	1288 × 960 px
exposure time	0,004 … 60000 ms
pixel size	3.75 × 3.75 µm
shutter type	Global shutter
sensor type	1/3″ CCD
acquisition formats	
image formats, interface frame rate max.	Full Frame, 1288 × 960 px, max. 42 fps
pixel formats	Mono8 Mono12 Mono12 Packed
image preprocessing	
analog controls	Gain (0 … 29.5 dB) Offset (0 … 1023 LSB 14 Bit)
color models	Mono
camera features	
synchronization	free running trigger
trigger sources	Hardware software
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

camera features	
sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	120 MB
interfaces and connectors	
data interface	USB 3.0, Transfer Rate 5000 Mbits/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins (SACC-DSI-M8FS-8CONM10-L180 SH)
power supply	via USB 3.0 interface
mechanical data	
lens mount	C-mount
width	33 mm
height	33 mm
depth	48 mm
weight	≤ 140 g
material	zinc die casting, nickel-plated, IP 40
electrical data	
power consumption	approx. 2,9 W @ 42,0 fps
non-volatile memory	
flash memory size	128 kB
environmental conditions	
operating temperature	+5 … +50 °C

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environmental conditions

humidity	10 … 90 % (non-condensing)
protection class	IP 40

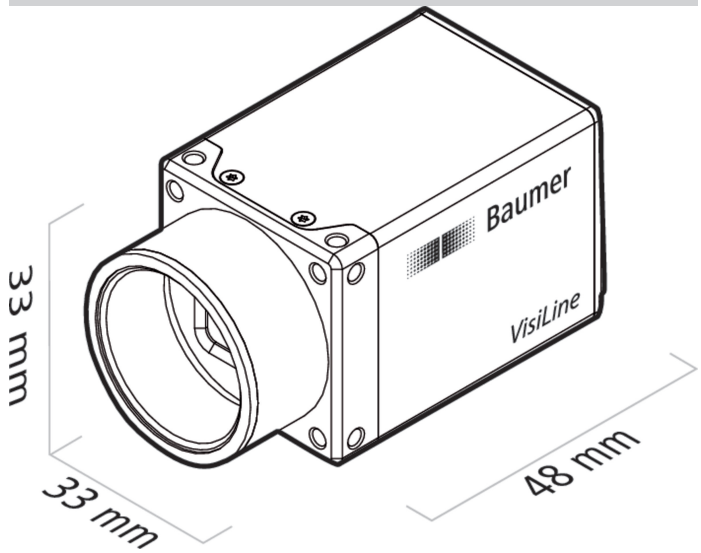
digital I/Os

lines	1 input line 3 output lines

conformity

conformity	CE RoHS

dimension drawing



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