Baumer
Passion for Sensors

VisiLine series

VLG-12C.I

Gigabit Ethernet, 1,2 Megapixels, Color

Article number: 11104887

overview

- 1288 × 960 px
- Sony ICX445
- 1/3″ CCD
- 42 fps
- Gigabit Ethernet
- Phase-Out starting 09/19, alternative via sales

GigE VISION   GEN<i>CAM   CE   RoHS COMPLIANT   EAC

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 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image preprocessing

analog controls	Gain (0 … 29 dB) Offset (0 … 1023 LSB 14 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

camera features

synchronization	free running trigger

camera features

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 output line 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	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: SACC-CI-M12FS-8CON-L180-10G
process interface / power supply	SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins

mechanical data

lens mount	C-mount
width	46 mm
height	46 mm
depth	49,8 mm

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mechanical data

weight	≤ 185 g ≤ 220 g (incl. tube)
material	aluminum, IP 65 / 67

electrical data

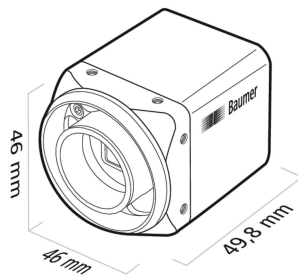|	
voltage supply range +Vs	12 … 24 V DC (external power supply) 36 … 57 V DC (Power over Ethernet)
power consumption	approx. 3,6 W @ 12 VDC and 42,0 fps approx. 3,8 W @ 48 VDC (PoE) and 42,0 fps

non-volatile memory

flash memory size	128 kB

environmental conditions

operating temperature	+5 … +50 °C
humidity	10 … 90 % (non-condensing)

environmental conditions

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) IP 69K (with stainless steel housing accessory)

digital I/Os

lines	1 input line 3 output lines

conformity

conformity	CE RoHS EAC

dimension drawing

46 mm
46 mm
49,8 mm

2019-11-27