

overview

- 4248 × 2832 px
- Sony ICX834AL
- 1" CCD
- 13 fps
- USB 3.0
- Phase-Out starting 09/19, alternative via sales



technical data

sensor information

sensor	Sony ICX834AL
resolution	4248 × 2832 px
exposure time	0,004 ... 60000 ms
pixel size	3.1 × 3.1 µm
shutter type	Global shutter
sensor type	1" CCD

acquisition formats

image formats, interface frame rate max.	Full Frame, 4248 × 2832 px, max. 13 fps Binning 2×2, 2124 × 1416 px, max. 24 fps
pixel formats	Mono8 Mono12 Mono12 Packed Mono16

image preprocessing

analog controls	Gain (0 ...20 dB) Offset (0 ... 1023 / 1 step=4 LSB 16 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 256 trigger signals
sequencer	Automated control for series of images using different sets of parameters

camera features

sequencer parameter	exposure time gain factor output line image format
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	256 MB

interfaces and connectors

data interface	USB 3.0, Transfer Rate 5000 Mbps/sec, Connector: USB 3.0 Micro B
process interface	M8 / 8 pins
power supply	M8 / 8 pins

mechanical data

lens mount	C-mount
width	45 mm
height	45 mm
depth	47 mm
weight	≤ 153 g
material	housing: aluminum

electrical data

voltage supply range +Vs	12 ... 24 V DC (external power supply)
power consumption	approx. 5,6 W @ 24 VDC

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +65 °C
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PXU-120M.Q

USB 3.0, 12 Megapixel, Monochrome

Article number: 11126068

technical data

environmental conditions

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

conformity

conformity	CE
	RoHS
	EAC

dimension drawing

