

overview

- 2448 × 2048 px
- Sony IMX264
- 2/3" CMOS
- 35 fps
- USB 3.0
- available



technical data

sensor information		image preprocessing	
sensor	Sony IMX264	color models	Mono Raw Bayer RGB
resolution	2448 × 2048 px	camera features	
exposure time	0,001 ... 60000 ms	synchronization	free running trigger
pixel size	3.45 × 3.45 µm	trigger sources	Hardware software
shutter type	Global shutter	trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
sensor type	2/3" CMOS	internal image buffer	445 MB 31 images (Trigger Mode) 1 image (Free Running Mode)
acquisition formats		interfaces and connectors	
image formats, interface frame rate max.	Full Frame, 2448 × 2048 px, max. 35 fps Binning 2×2, 1224 × 1024 px, max. 35 fps Binning 2×1, 1224 × 2048 px, max. 35 fps Binning 1×2, 2448 × 1024 px, max. 35 fps	data interface	USB 3.0, Transfer Rate 5000 Mb/s/sec, Connector: USB 3.0 Micro B
pixel formats	BayerRG8 BayerRG10 BayerRG12 BayerRG12 Packed Mono8 Mono10 Mono12 Mono12 Packed RGB8 BGR8	process interface	M8 / 8 pins (SACC-DSI-M8MS-8CON-M8-L180)
image preprocessing		power supply	via USB 3.0 interface
analog controls	Gain (0 ... 48 dB) Offset (0 ... 255 LSB 12 Bit)	mechanical data	
		lens mount	C-mount
		width	29 mm
		height	29 mm
		depth	38 mm
		weight	≤ 90 g
		material	zinc die casting, nickel-plated, IP 40

technical data

electrical data

power consumption	approx. 2,7 W @ 35,0 fps
operating voltage	5 VDC (via USB3.0 interface)

non-volatile memory

flash memory size	128 kB
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environmental conditions

operating temperature	+5 ... +65 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	1 input line
	1 output line
	2 general purpose lines

conformity

conformity	CE
	RoHS
	KC (MISP-REI-BkR-VCXU-50M)
	EAC

dimension drawing

