

overview

- 2048 × 2048 px
- ams (CMOSIS) CMV4000
- 1" CMOS
- 180 fps
- Camera Link® Full
- available



technical data

sensor information		camera features	
sensor	ams (CMOSIS) CMV4000	sequencer	Automated control for series of images using different sets of parameters
resolution	2048 × 2048 px	sequencer parameter	exposure time gain factor output
exposure time	0,02 ... 1000 ms	digital inputs	3 input line (each with Debouncer)
color filter	RGB Bayer Mosaic	digital outputs	3 output lines
pixel size	5.5 × 5.5 µm	internal image buffer	256 MB
shutter type	Global shutter	interfaces and connectors	
sensor type	1" CMOS	data interface	Camera Link® Full, connector: 2 x Standard SDR26 (Mini CL)
acquisition formats		process interface	M8 / 8 pins
image formats, interface	Full Frame, 2048 × 2048 px, max. 180 fps	power supply	M8 / 3 pins
pixel formats	BayerGB8 BayerGB10 BayerGB12	mechanical data	
image preprocessing		lens mount	C-mount (F-mount on request)
analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)	width	52 mm
color models	Raw Bayer	height	52 mm
camera features		depth	37 mm
synchronization	free running trigger	weight	≤ 185 g
trigger sources	Hardware software FrameGrabber	material	housing: aluminum
trigger delay	0 ... 2 sec, tracking and buffering of up to 512 trigger signals	electrical data	
		voltage supply range +Vs	9,6 ... 30 V DC
		power consumption	approx. 5,5 W
		environmental conditions	
		operating temperature	+5 ... +60 °C

technical data

environmental conditions

humidity 10 ... 90 % (non-condensing)

protection class IP 40

conformity

conformity CE
RoHS
FCC
KC (MISP-REI-BkR-HXC40)
EAC

dimension drawing

