

overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3" CMOS
- 337 fps
- Camera Link Full
- Phase-Out starting 08/20, alternative via sales



technical data

sensor information

sensor	ams (CMOSIS) CMV2000
resolution	2048 × 1088 px
exposure time	0,02 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	2/3" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 337 fps
pixel formats	BayerGB8 BayerGB10 BayerGB12

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
color models	Raw Bayer

camera features

synchronization	free running trigger
trigger sources	Hardware software FrameGrabber
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
digital inputs	3 input line (each with Debouncer)
digital outputs	3 output lines
internal image buffer	256 MB

interfaces and connectors

data interface	Camera Link Full, connector: 2 x Standard SDR26 (Mini CL)
process interface	M8 / 8 pins
power supply	M8 / 3 pins

mechanical data

lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	37 mm
weight	≤ 185 g
material	housing: aluminum

electrical data

voltage supply range +Vs	9,6 ... 30 V DC
power consumption	approx. 5,5 W

environmental conditions

operating temperature	+5 ... +60 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

technical data

conformity

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

dimension drawing

