

overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3" CMOS
- 105 fps
- Dual Gigabit Ethernet
- available



technical data

sensor information

sensor	ams (CMOSIS) CMV2000
resolution	2048 × 1088 px
exposure time	0,02 ... 1000 ms
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. 105 fps Binning 2×1, 1024 × 1088 px, max. 211 fps Subsampling 2×2, 1024 × 544 px, max. 421 fps
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image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 2048 × 1088 px, max. 337 fps
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pixel formats	Mono8 Mono10 Mono12
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image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB)
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color models	Mono
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camera features

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

interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
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	55 mm
weight	≤ 232 g
material	housing: aluminum

technical data

electrical data

voltage supply range +Vs	20 ... 30 V DC (external power supply) 38 ... 57 V DC (Power over Ethernet)
power consumption	approx. 7,7 W @ 24 VDC and 105,0 fps approx. 8,9 W @ 48 VDC (PoE) and 105,0 fps

environmental conditions

operating temperature	+5 ... +50 °C
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environmental conditions

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

conformity

conformity	CE RoHS FCC EAC
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dimension drawing

