

overview

- 2040 × 2044 px
- ams (CMOSIS) CMV4000
- 1" CMOS
- 29 fps
- Gigabit Ethernet
- Phase-Out starting 08/20, alternative via sales



technical data

sensor information

sensor	ams (CMOSIS) CMV4000
resolution	2040 × 2044 px
exposure time	0,02 ... 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	1" CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 2040 × 2044 px, max. 29 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image preprocessing

analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

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 line ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	120 MB

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec, Fast Ethernet, Transfer Rate 100 Mb/s/sec, Connector: 8P8C Modular Jack (RJ45), screwable type
process interface	SACC-DSI-M8FS-3CON-M10-L180 SH
power supply	SACC-DSI-M 8MS-6CON-L180 SH

mechanical data

lens mount	C-mount
width	33 mm
height	33 mm
depth	48 mm
weight	≤ 150 g

technical data

mechanical data

material zinc die casting, nickel-plated, IP 40

electrical data

voltage supply range +Vs 12 ... 24 V DC (external power supply)
36 ... 57 V DC (Power over Ethernet)

power consumption approx. 3,6 W @ 12 VDC and 29,0 fps
approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps

non-volatile memory

flash memory size 128 kB

environmental conditions

operating temperature +5 ... +50 °C

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

protection class IP 40

digital I/Os

lines 1 input line
3 output lines

conformity

conformity CE
RoHS

dimension drawing

