

overview

- 7920 × 6004 px
- ams (CMOSIS) CMV50000
- 35 mm CMOS
- 5 fps
- Dual Gigabit Ethernet
- available



GIGEVISION GEN<i>i>CAM

technical data

sensor information

sensor	ams (CMOSIS) CMV50000
resolution	7920 × 6004 px
exposure time	0,1 ... 1000 ms
color filter	RGB Bayer Mosaic
pixel size	4.6 × 4.6 μm
shutter type	Global shutter
sensor type	35 mm CMOS

acquisition formats

image formats, interface frame rate max.	Full Frame, 7920 × 6004 px, max. 5 fps Binning 2×2, 3960 × 3002 px, max. 15 fps Binning 1×2, 7920 × 3002 px, max. 10 fps Binning 2×1, 3960 × 6004 px, max. 10 fps
--	--

pixel formats

BayerBG8
BayerBG10
BayerBG12

image preprocessing

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

camera features

synchronization	free running trigger
trigger sources	Hardware software ActionCommand

camera features

trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
digital inputs	1 input line
digital outputs	3 output lines
internal image buffer	512 MB

interfaces and connectors

data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mbits/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
process interface	M8 / 8 pins
power supply	M8 / 8 pins

mechanical data

lens mount	M58-mount (F-mount, M42, C-mount via adapter)
width	60 mm
height	60 mm
depth	56,32 mm
weight	≤ 320 g (M58-mount)
material	housing: aluminum

electrical data

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

technical data

electrical data

power consumption	approx. 10 W @ 24 VDC (sequential readout)
	approx. 12 W @ 48 VDC (PoE, sequential readout)

environmental conditions

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

non-volatile memory

flash memory size	32 Mbit
-------------------	---------

dimension drawing

