

overview

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



technical data

sensor information		camera features	
sensor	ams (CMOSIS) CMV50000	trigger sources	Hardware software ActionCommand
resolution	7920 × 6004 px	trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
exposure time	0,1 ... 1000 ms	sequencer	Automated control for series of images using different sets of parameters
pixel size	4.6 × 4.6 μm	sequencer parameter	exposure time gain factor output ROI Offset x ROI Offset y
shutter type	Global shutter	digital inputs	1 input line
sensor type	35 mm CMOS	digital outputs	3 output lines
acquisition formats		internal image buffer	512 MB
image formats, interface	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	interfaces and connectors	
frame rate max.		data interface	Dual Gigabit Ethernet, Transfer rate 2000 Mb/s, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type
image formats, acquisition frame rate max. (Burst Mode)		Full Frame, 7920 × 6004 px, max. 15 fps	process interface
pixel formats	Mono8 Mono12 Mono12 Packed	power supply	M8 / 8 pins
image preprocessing		mechanical data	
analog controls	Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit)	lens mount	M58-mount (F-mount, M42, C-mount via adapter)
color models	Mono	width	60 mm
camera features		height	60 mm
synchronization	free running trigger	depth	56,32 mm

LXG-500M

Dual GigE, 48 Megapixel, Monochrome

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technical data

mechanical data

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

non-volatile memory

flash memory size	128 kB
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environmental conditions

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

conformity

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dimension drawing

