



sensor information

sensor	ams (CMOSIS) CMV12000
resolution	4096 × 3072 px
exposure time	0,04 ... 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	APS-C CMOS

acquisition formats

image formats, interface	Full Frame, 4096 × 3072 px, max. 19 fps Binning 2×2, 2048 × 1536 px, max. 19 fps
frame rate max.	Binning 1×2, 4096 × 1536 px, max. 19 fps Binning 2×1, 2048 × 3072 px, max. 19 fps
image formats, aquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 3072 px, max. 50 fps
pixel formats	Mono8 Mono12 Mono12 Packed

image preprocessing

analog controls	Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit)
-----------------	---

color models	Mono
--------------	------

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	54,25 mm

mechanical data

weight	≤ 290 g (M58-mount)
material	housing: aluminum

electrical data

voltage supply	12 ... 24 V DC (external power supply)
range +Vs	36 ... 57 V DC (Power over Ethernet)
power consumption	approx. 7,0 W @ 24 VDC approx. 6,5 W @ 48 VDC (PoE)

non-volatile memory

flash memory size	128 kB
-------------------	--------

environmental conditions

operating temperature	+5 ... +66 °C @ T = measurement point
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

conformity

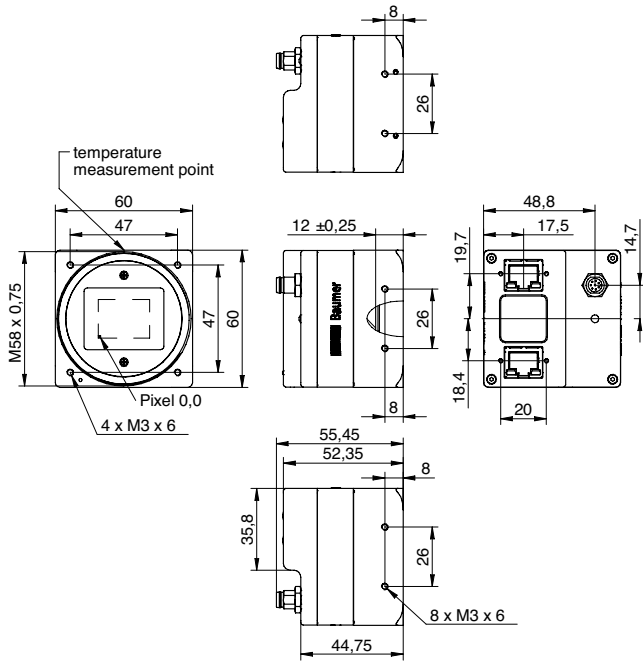
conformity	CE RoHS EAC
------------	-------------------

LXG-120M

Dual GigE, 12 Megapixel, Monochrome

Article number: 11117846

dimension drawing



945 East 11th Avenue Tampa, FL 33605

Phone: (813) 984-0125

Contact: Sales@pyramidimaging.com

<https://pyramidimaging.com>