Allied Vision

Mini GigE

mini1MGE-FGM4

General

Model:	mini1MGE-FGM4
Product code(s):	F006094
Product series:	Mini GigE
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	1,280 × 1,024 (1.30 MP)
Sensor model:	ON Semiconductor LUPA1300-2
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	17.92 × 14.34 mm (22.95 mm, 4/3)
Pixel size:	14.00 µm × 14.00 µm

Pixel formats

Sensor bit depth:	8-Bit
Monochrome pixel formats:	mono8

Timing and gain

Max. frame rate:	506 fps
Max. frame rate ROI modes:	1280 x 1024 | 506 fps, 1280 x 720 | 718 fps, 1280 x 512 | 1008 fps, 640 x 480 | 1869 fps, 512 x 512 | 2032 fps, 320 x 240 | 5672 fps, 128 x 100 | 18610128 fps, 10 x 79535 | fps,
Exposure time:	1 µs (max)
Gain:	0.0 dB to 12.0 dB

I/Os and power

Non-isolated lines:	0 x LVDS input, 0 x LVDS output0 x TTL input, 0 x TTL output, 0 x 24V input, 0 x Open drain output
Specific non-isolated lines:	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output
Opto-isolated lines:	2 x Optical isolated input, 1 x Optical isolated Input,
Power supply:	10.5 to 30VDC
Power consumption:	External: 7.5 W (typical at 12 VDC)

Mechanical properties

Body dimensions (L x W x H in mm):	99 × 63 × 63
IP class:	IP30
Lens mount(s):	FG-Mount
Weight:	330 g

Interfaces

Digital interface:	gige
Interface connector:	(RJ-45)

FW features - image control

Gain modes:	Digital, Analog
Image control features:	FW Features - Image Control

FW features - camera control

Trigger modes/sync:	Manual, External analog Voltage, External TTL, Acc