Allied Vision

Mini GigE

mini2MGE-FGM4

General

Model:	mini2MGE-FGM4
Product code(s):	F006102
Product series:	Mini GigE
Status:	Discontinued

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	1,696 × 1,710 (3.00 MP)
Sensor model:	ON Semiconductor LUPA3000
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	13.57 × 13.68 mm (19.27 mm, 1)
Pixel size:	8.00 µm × 8.00 µm

Pixel formats

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

Timing and gain

Max. frame rate:	525 fps
Max. frame rate ROI modes:	1696 x 1710 | 525 fps, 1280 x 1024 | 1155 fps, 1280 x 720 | 1647 fps, 1024 x 1024 | 1410 fps, 640 x 480 | 4467 fps, 512 x 512 | 5016 fps, 320 x 240 | 14776128 fps, 128 x 43541 | 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):	100 × 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