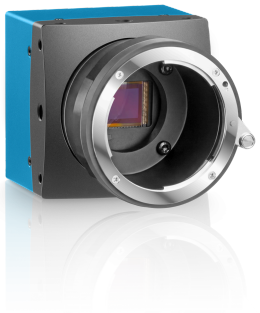
Allied Vision



Mini GigE

mini1MGE-FGM2

General

Model	mini1MGE-FGM2
Product code	F006093
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 Semi LUPA1300-2
Sensor architecture (material)	cmos
Shutter type(s)	Global shutter (GS)
Sensor size	17.92 × 14.34 mm (22.95 mm, Type 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	2 µs to 1 s

Timing and gain

Gain	0.0 dB to 12.0 dB

I/Os and power

Non-isolated lines	0 x LVDS input, 0 x LVDS output, 0 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)

Mechanical properties

Body dimensions (L x W x H in mm)	92 × 63 × 63
IP class	IP30
Lens mount(s)	FG-Mount
Weight	330 g

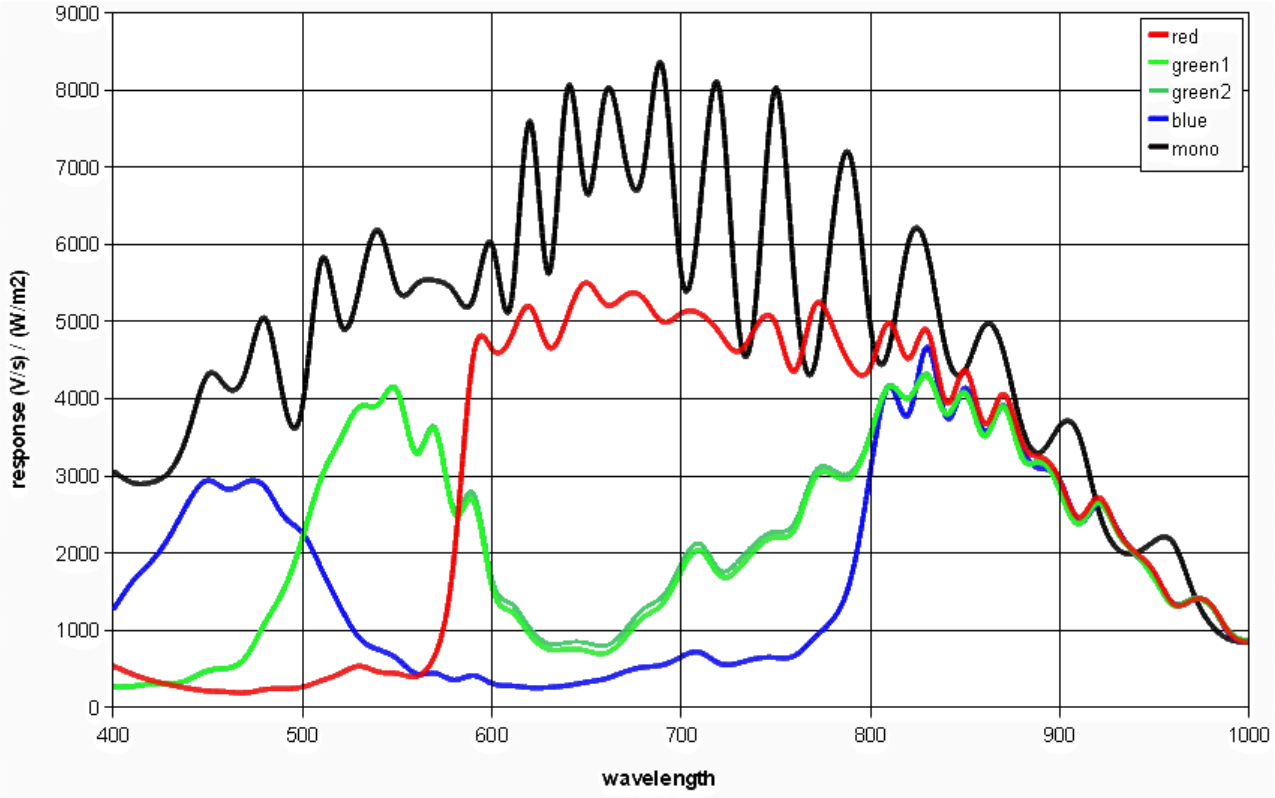
Interfaces

Digital interface	gige
Interface connector	(RJ-45)

FW features - image control

Gain modes	digital, analog
Image control features	roi, mirror-image, dpc

FW features - camera control

Trigger modes/sync	external

Quantum Efficiency