



# Quad GigE

## QUAD1.1SMGE-FGM8

### General

Model:	QUAD1.1SMGE-FGM8
Product code(s):	F006132
Product series:	Quad GigE
Status:	Available

### Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	1,280 × 864 (1.10 MP)
Sensor model:	Luxima LUX13HS
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	17.54 × 11.84 mm (21.16 mm, 4/3)
Pixel size:	13.70 μm × 13.70 μm

### Pixel formats

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

## Timing and gain

Max. frame rate:	2500 fps
Max. frame rate ROI modes:	1280 x 864   2500 fps, 1280 x 720   3000 fps, 1024 x 768   2813 fps, 640 x 480   4501 fps, 512 x 512   4219 fps, 320 x 240   9002 fps, 128 x 128   16879 fps,
Exposure time:	1 $\mu$ s (max)
Gain:	0.0 dB to 18.0 dB

## I/Os and power

Non-isolated lines:	0 x LVDS input, 0 x LVDS output, 2 x TTL input, 4 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:	0 x Optical isolated input, 0 x Optical isolated Input,
Power supply:	10 to 30VDC
Power consumption:	External: 11 W (typical at 12 VDC)

## Mechanical properties

Body dimensions (L x W x H in mm):	120 x 65 x 65
IP class:	IP30
Lens mount(s):	FG-Mount
Weight:	550 g

## Interfaces

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

## FW features - image control

Exposure modes:	Timed, Trigger Width, External
Gain modes:	Digital, Analog
White balance modes:	true
Image control features:	FW Features - Image Control

## FW features - camera control

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