

Cube GigE

Cube4MGE-FGM4HG



General

Model:	Cube4MGE-FGM4HG
Product code(s):	F006114
Product series:	Cube GigE
Status:	Discontinued

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:	Micron MV-13HS
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	15.36 × 12.29 mm (19.67 mm, 1)
Pixel size:	12.00 μm × 12.00 μm

Pixel formats

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

Timing and gain

Max. frame rate:	1010 fps
Max. frame rate ROI modes:	1280 x 1024 1010 fps, 1280 x 512 2018 fps, 1280 x 204 5050 fps, 1280 x 146 7039 fps, 1280 x 102 10051 fps, 1280 x 49 20326 fps, 1280 x 18 504701280 fps, 10 x 85684 fps,
Exposure time:	1 μ s (max)
Gain:	0.0 dB to 12.0 dB

I/Os and power

Non-isolated lines:	0 x LVDS input, 0 x LVDS output1 x TTL input, 1 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:	4 x Optical isolated input, 0 x Optical isolated Input,
Power supply:	10.5 to 30VDC
Power consumption:	External: 15 W (typical at 12 VDC)

Mechanical properties

Body dimensions (L x W x H in mm):	120 x 69 x 93
IP class:	IP30
Lens mount(s):	FG-Mount
Weight:	960 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
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