



FXO 10GigE

fxo902CXGE-M42

Preliminary product information. Features and technical specifications are subject to change without notice.

General

Model	fxo902CXGE-M42
Product code	F002475
Product series	FXO 10GigE
Status	Coming soon

Sensor

Sensor type	Area scan
Chroma	Color
Spectrum	Visible
Spectral range	400 nm to 1000 nm
Resolution	6,048 × 2,048 (12.40 MP)
Sensor model	Sony IMX902
Sensor architecture (material)	cmos
Shutter type(s)	Global shutter (GS)
Sensor size	16.57 × 5.61 mm (17.5 mm, Type 1.1)
Pixel size	2.74 μm × 2.74 μm

Pixel formats

Sensor bit depth	8-bit, 12-bit
RGB pixel formats	bayer8, bayer12

Timing and gain

Max. frame rate	98.1 fps
Exposure time	7 μs to 60 s
Gain	0.0 dB to 48.0 dB

I/Os and power

Non-isolated lines	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 4 x Open drain output,
Specific non-isolated lines	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Opto-isolated lines	1 x Optical isolated input, 0 x Optical isolated input,
I/O connector	12-pin Hirose HR10A-10P-12S
Power supply	10 to 25VDC, Power over Ethernet
Power consumption	External: 11 W (typical)

Operating conditions

Operating temperature (housing)	-10 °C to 60 °C
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Mechanical properties

Body dimensions (L x W x H in mm)	76 × 50 × 50
Filter/protection glass	IR-Cut 680
IP class	IP30
Lens mount(s)	M42x0.75
Weight	240 g

On-board memory and FPGA

Image buffer (RAM)	896 MByte
Non-volatile memory (Flash)	32 MByte

Interfaces

Digital interface	10gige
Interface connector	(RJ-45)
Vision standard	GigE Vision 2.0

FW features - image control

Exposure modes	manual, auto, external
Gain modes	auto, manual
White balance modes	auto, manual
Image control features	roi, lut, color-transformation, mirror-image

FW features - camera control

Trigger modes/sync	internal, software, external
Camera control features	PTP, User Sets, POE, PWM(4), Sequencer,

preliminary