Allied Vision



FXO CXP (4 Connections)

fxo935MCX12-4C-FF

General

Model	fxo935MCX12-4C-FF
Product code	F002431
Product series	FXO CXP (4 Connections)
Status	Available

Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	Visible
Spectral range	400 nm to 1000 nm
Resolution	5,328 × 4,608 (24.60 MP)
Sensor model	Sony IMX935
Sensor architecture (material)	cmos
Shutter type(s)	Global shutter (GS)
Sensor size	14.6 × 12.63 mm (19.3 mm, Type 1.2)
Pixel size	2.74 µm × 2.74 µm

Pixel formats

Sensor bit depth	8-bit, 12-bit
Monochrome pixel formats	mono8, mono12

Timing and gain

Max. frame rate	192 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, 0 x 24V input, 1 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	1 x Optical isolated input, 0 x Optical isolated input,
I/O connector	4-pin molex 53398-0471
Power supply	Power over CoaXPress only
Power consumption	9 W (typical)

Operating conditions

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

Mechanical properties

Body dimensions (L x W x H in mm)	19 × 50 × 50
IP class	IP30
Lens mount(s)	Flat Front
Weight	120 g

On-board memory and FPGA

Non-volatile memory (Flash)	32 MByte

Interfaces

Digital interface	cxp-12 with 4 connections
Interface connector	(micro-BNC)
Vision standard	CoaXPress 2.0

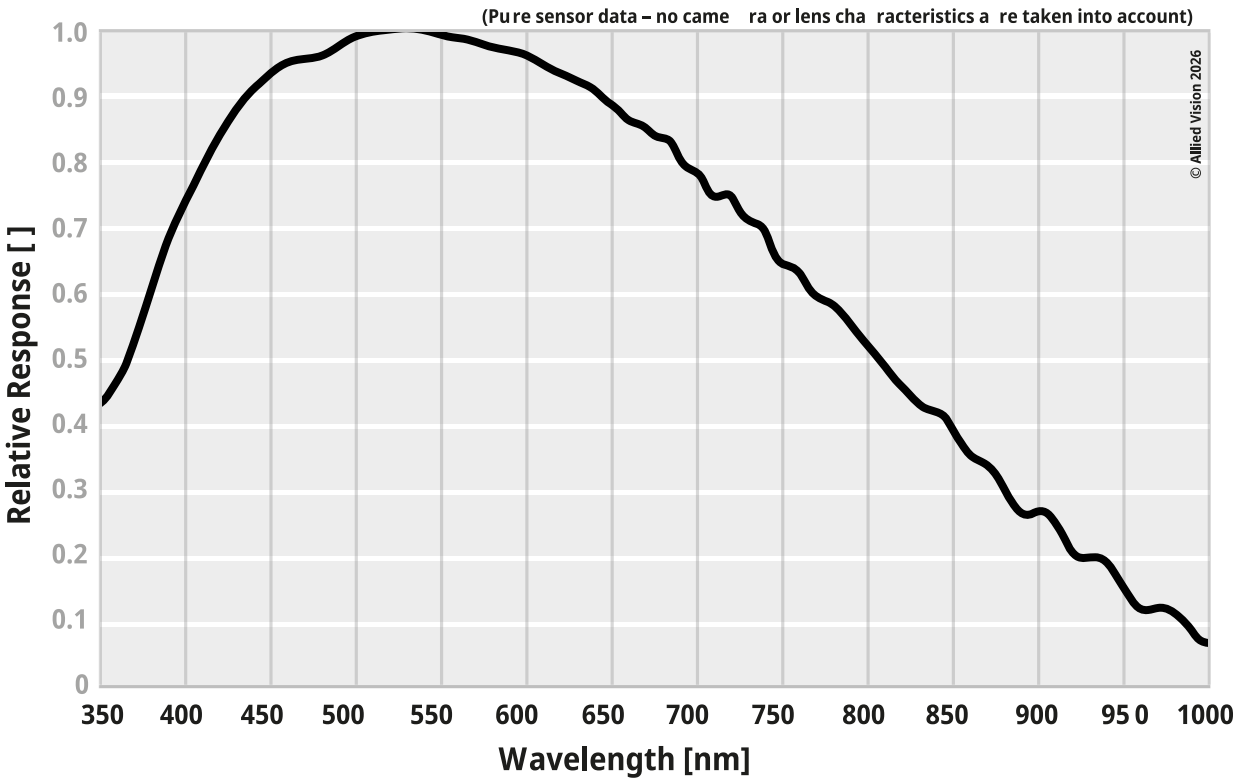
FW features - image control

Exposure modes	manual, auto, external
Gain modes	auto, manual
Image control features	roi, lut, mirror-image, dpc, shading-correction, ffc

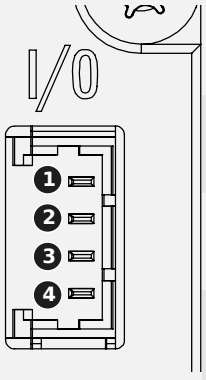
FW features - camera control

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

Quantum Efficiency



I/O pin assignment

Position	Pin	Signal
	1	GND
	2	IO Out (open drain)
	3	IO In+ (opto In+)
	4	IO In- (opto In-)