

EoSens CoaXPress-12

EoSens10CCX12-FM



General

Model:	EoSens10CCX12-FM
Product code:	F006026
Product series:	EoSens CoaXPress-12
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Color
Spectrum:	Visible
Spectral range:	350 nm to 1000 nm
Resolution:	4,608 × 2,176 (10.00 MP)
Sensor model:	Gpixel Gsprint 4510
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	20.74 × 9.79 mm (22.93 mm, 4/3)
Pixel size:	4.50 µm × 4.50 µm

Pixel formats

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

Imaging performance

Dynamic range:	68.8 dB
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Timing and gain

Max. frame rate:	482
Max. frame rate ROI modes:	4608 x 2176 478 fps,
Exposure time:	1 µs to 1 s
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, 2 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,
I/O connector:	2
Power supply:	12 to 24VDC, Power over CoaXPress
Power consumption:	External: 20 W (typical)

Mechanical properties

Body dimensions (L x W x H in mm):	93 × 80 × 80
Filter/protection glass:	UV/IR Filter
IP class:	IP30
Lens mount(s):	F-Mount
Weight:	630 g

Interfaces

Digital interface:	cxp-12 with 4 connections
Interface connector:	(micro-BNC)

FW features - image control

Exposure modes:	external
Gain modes:	Digital, Analog
White balance modes:	true
Image control features:	FW Features - Image Control

FW features - camera control

Trigger modes/sync:	External TTL Signal, CXP-Trigger
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