

EoSens CoaXPress-12

EoSens9.5CCX12-FF



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

General

Model:	EoSens9.5CCX12-FF
Product code:	F006221
Product series:	EoSens CoaXPress-12
Status:	Prototype/engineering sample

Sensor

Sensor type:	Area scan
Chroma:	Color
Spectrum:	Visible
Spectral range:	380 nm to 1000 nm
Resolution:	4,096 × 2,304 (9.50 MP)
Sensor model:	Luxima LUX9506V3C
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	26.62 × 14.98 mm (30.55 mm, 2)
Pixel size:	6.50 μm × 6.50 μm

Pixel formats

Sensor bit depth:	8-Bit,10-Bit,12-Bit
RGB pixel formats:	bayer8, bayer10, bayer12

Timing and gain

Max. frame rate:	503
Max. frame rate ROI modes:	4096 x 2304 503 fps, 1920 x 1080 2243 fps, 1280 x 720 4898 fps, 640 x 480 13498 fps, 4096 x 100 11039 fps, 512 x 512 15767 fps, 512 x 8 225000 fps,
Exposure time:	2 μ s to 40.00 ms
Gain:	0.0 dB to 12.0 dB

I/Os and power

Non-isolated lines:	1 x LVDS input, 1 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 2 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:	0 x Optical isolated input, 0 x Optical isolated input,
Power supply:	Power over CoaXPress
Power consumption:	21 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):	40 x 80 x 80
IP class:	IP30
Lens mount(s):	Flat Front
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
Image control features:	FW Features - Image Control

FW features - camera control

Trigger modes/sync:	External TTL Signal, CXP-Trigger
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LUX9506V3 Color Spectral Response

