

# EoSens CoaXPress

EoSens1.1MCX12-CM

## General

Model:	EoSens1.1MCX12-CM
Product code:	F006001
Product series:	EoSens CoaXPress
Status:	Available

## Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	1,280 × 864 (1.10 MP)
Sensor model:	Luxima LUX13HS
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	17.54 × 11.84 mm (21.16 mm, 4/3)
Pixel size:	13.70 μm × 13.70 μm

## Pixel formats

Sensor bit depth:	8-Bit,10-Bit
Monochrome pixel formats:	mono8, mono10

## Timing and gain

Max. frame rate:	3674 fps
Max. frame rate ROI modes:	1280 x 864   3674 fps, 1280 x 768   4151 fps, 640 x 480   6576 fps, 128 x 128   23821 fps, x   224673 fps,
Exposure time:	1 μs (max)
Gain:	0.0 dB to 18.0 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,
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## I/Os and power

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 consumption:	External: 14 W (typical)

## Mechanical properties

Body dimensions (L x W x H in mm):	54 × 80 × 80
IP class:	IP30
Lens mount(s):	C-Mount
Weight:	500 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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