

EoSens CoaXPress- 12

EoSens10MCX12-M42



General

Model:	EoSens10MCX12-M42
Product code:	F006231
Product series:	EoSens CoaXPress-12
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
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
Monochrome pixel formats:	mono8, mono12

Imaging performance

Dynamic range: 68.8 dB

Timing and gain

Max. frame rate: 482

Max. frame rate ROI modes: 4608 x 2176 | 478 fps,

Exposure time: 1 μ s 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): 55 x 80 x 80

IP class: IP30

Lens mount(s): M42x0.75

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