

EoSens CoaXPress- 12

EoSens10CCX12-FM



General

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|-----------------|---------------------|
| 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

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

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): 93 x 80 x 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

