



EoSens[®] 10 CXP2

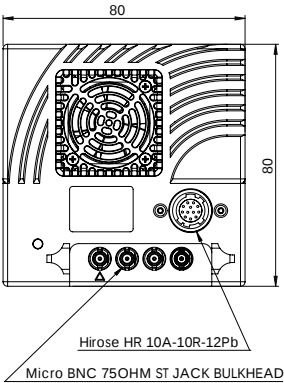
Engineered for
highest
Performance

EoSens[®] 10 CXP2 Key Features:

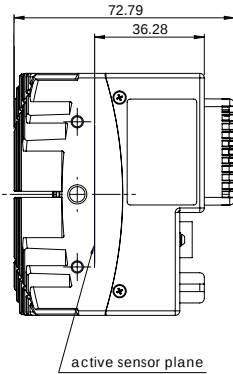
- 478 fps @ 10 MPix resolution
- High sensitivity
- Fast CoaXPress-12 interface
- Precise triggering
- 80 x 80 x 92.76 mm small

Dimensions [mm]

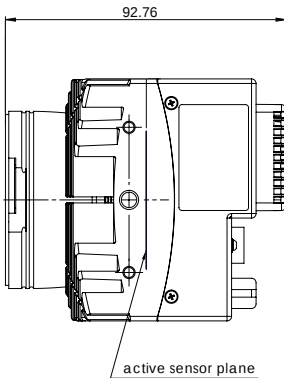
Back view



Side view w/o mount



Side view w/ F mount



Performance The EoSens®10CXP2 is engineered for the highest Performance. Featuring a high-speed CMOS sensor, the EoSens®10CXP2 offers 4,608 x 2,176 pixel resolution at an out-standing speed of more than 478 fps. This camera takes advantage of the new CoaXPRESS Standard Version 2.0 transmitting data at twice the data rate of Version 1.1.

High Sensitivity The camera's extreme sensitivity delivers high-contrast images even in very low light conditions. This allows to integrate it in applications where lighting is the crucial point.

- Smart Features**
- CoaXPRESS V2.0: Supported link speed 3.125/6.25/12 Gbps
 - CoaXPRESS 1.1 downward compatible
 - CoaXPRESS lanes switchable 1, 2 or 4
 - In-Image frame counter and timestamp
 - Excellent image quality
 - FPN Correction
 - ROI supported with frame rate increase
 - Direct GPIO on camera accepting LVTTTL-24V
 - Programmable UserSets
 - Controllable fan

Specifications	EoSens® 10CXP2
Resolution	10 MP
Active Pixels	4,608 x 2,176 px
Interface	CXP @ 4 x 12.5 Gbit/s
Frame Rate, 8 bit	478 fps
Sensor Type	CMOS (Global Shutter)
Sensor Format Ø	22.93 mm
Pixel Size	4.5 x 4.5 µm
Pixel Data Width	12 / 10 / 8 bit
Dynamic Range	up to 68.8 dB
SNR	tbd
Shutter Time / Steps	1 µs
Shutter Time / Range	4 µs – 1 s
Max. Jitter via CXP Trigger	±4 ns
Mount Options	F mount
Dimensions (W x H x L w/o mount)	80 x 80 x 72.79 mm
Weight w/o mount	630 g
Power consumption	18.5 W
Power supply	12 – 24 VDC
Ambient Temp.	-10 °C ... +45 °C
Shock / Vibration proof	70 g / 7 grms
Conformity	CoaXPRESS / GenICam

Resolution [px]	Frame Rates [fps]
4,608 x 2,176	478
4,608 x 2,048	508
4,096 x 1,024	1,000
4,608 x 128	6,141
	max. 13,819



GENiCAM CoaXPRESS CXP-12

Markets and Application Examples

Factory Automation	Laser Triangulation
Traffic & Logistics	PCB Inspection
Sports & Entertainment	Particle Image Velocimetry
Medical & Life Science	Metrology

