

- ▲ Global Shutter
- ▲ High Frame Rate
- ▲ High Sensitivity and Low Dark Current
- ▲ 24M Resolution
- ▲ Trigger Mode Supported
- ▲ CoaXPress Standard Supported



## Latest Sensor Technology

With latest global shutter CMOS image sensor, FC Series are available with various resolutions as well as sensors from leading manufacturers to achieves high-speed image capturing, high sensitivity and low readout noise.

★ The Pregius logo is trademark of Sony Corporation.

**SONY**  
**Pregius**★

## Fast, Reliable, and Power-enabled Interface

CoaXPress is an advanced interface, offering high transmission speed, long transmission distances, and Power over Coax capability. With CXP, high-resolution images and videos can be transferred quickly and efficiently, even over extended distances. The Power over Coax feature eliminates the need for separate power cables, simplifying installation and reducing cable clutter.

**PoCXP**  
Power over CoaXPress

## Easy Integration

Compatible with CoaXPress and GenICam standards, FC Series offers smooth end-to-end configuration interface which reduces the integration effort and accelerates system deployment.

**CoaXPress**  
**GEN<i>CAM**

## Features

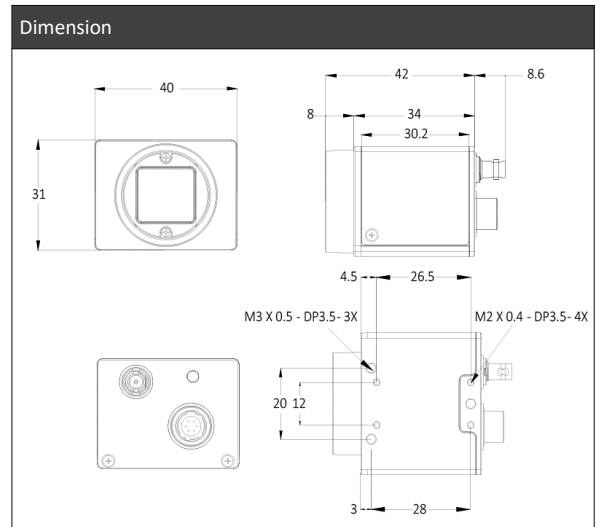
- Global Shutter CMOS Image Sensor
- 24M resolution
- External Trigger and Software Trigger
- Trigger with minimum latency and jitter
- Easy integration by API library
- Accurate clock synchronization
- Extensive firmware features
- Onboard frame buffer

## Specification


Image Sensor	
Sensor	Sony IMX540
Sensor Size	1.2"
Sensor Technology	Global Shutter
Resolution	H x V= 5320 x 4600 (24.47M)
Pixel Size	2.74 $\mu\text{m}$
System Clock	74.25 MHz
Frame Rate	21.9 fps @ 8-bit
Read-out modes	Full – 5320 x 4600 ROI – with X offset and width in 2-pixel steps, with Y offset and height in 2-line steps
Type	Mono

Camera	
SNR	55dB
Interface	CXP-6
Video Output Format	8, 12 bit
Gain	0dB ~ +48dB
Synchronization	hardware trigger, software trigger, free-run
Trigger Input	trigger source, opto-isolated, GPIO, software
Trigger modes	exposure mode, timed, trigger width
Electronic Shutter	14 $\mu\text{s}$ to 29.999989 sec
Power Requirements	8-24V DC or PoCXP
Power Consumption	7W

General	
Lens Mount	C Mount
Weight	67g
Operation Temperature	0°~50°C
Storage Temperature	-25°~60°C
Humidity	20 – 80%, non-condensing
Approvals	EMC: CE / FCC
Protocol Standard	CoaXPress, GenICam




**DC Input/Trigger**



1	8~24V DC power
2	Opto-isolated input
3	GPIO (non-isolate) software control
4	Opto-isolated output
5	Opto-isolated ground
6	Camera power ground

**CoaXPress Interface**



- CXP-6 with 1 Connection (micro-BNC)

