

- ▲ Global Shutter
- ▲ High Sensitivity and Low Readout Noise
- ▲ 8M Resolution
- ▲ Trigger Mode Supported
- ▲ GigE Vision Supported



Latest Sensor Technology

With latest global shutter CMOS image sensor, FE 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★

Long Distance Capability

Gigabit Ethernet interface enables long distance application with a maximum cable length of 100m. Power over Ethernet (PoE) allows data and power transmission over one cable, reducing installation and maintenance efforts.

⚡PoE

Easy Integration

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

GIGE
VISION
GEN*i*CAM

Features

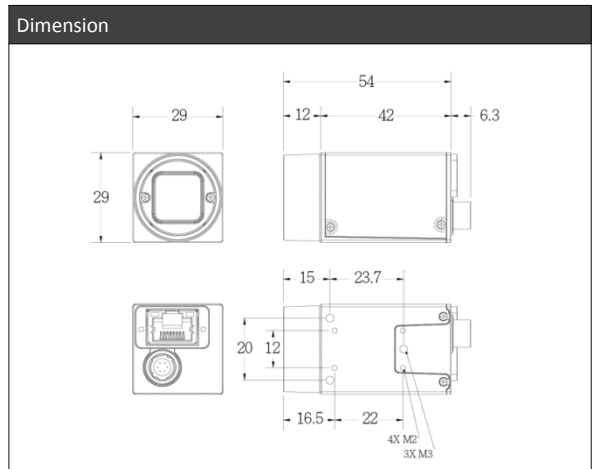
- Global Shutter CMOS Image Sensor
- 8M resolution
- External Trigger and Software Trigger
- Trigger with minimum latency and jitter
- Easy integration by API library
- Accurate clock synchronization
- Extensive firmware features
- Onboard frame buffer
- Optional IP67 housing for dust, dirt and waterproof protection

Specification

Image Sensor	
Sensor	Sony IMX267
Sensor Size	1"
Sensor Technology	Global Shutter
Resolution	H x V= 4096 x 2160 (8M)
Pixel Size	3.45 μm
Frame Rate	12 fps @ 8-bit
Read-out modes	Full – 4096 x 2160, ROI
Type	Mono

Camera	
SNR	TBD
Interface	GigE
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	TBD
Power Requirements	8~24VDC or PoE
Power Consumption	TBD

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

GigE Interface

1	TRD+ (0)	5	TRD- (2)
2	TRD- (0)	6	TRD- (1)
3	TRD+ (1)	7	TRD+ (3)
4	TRD+ (2)	8	TRD- (3)

