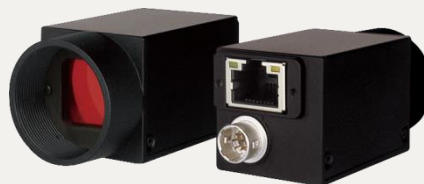


- ▲ Global Shutter
- ▲ High Sensitivity and Low Readout Noise
- ▲ 5M Resolution
- ▲ Trigger Mode Supported
- ▲ GigE Vision Supported



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

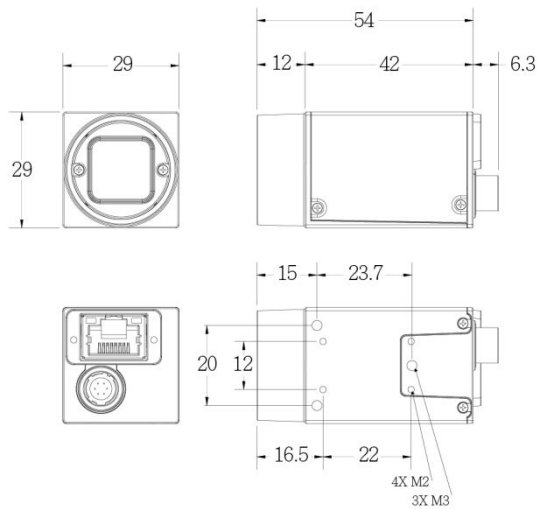
Features

- Global Shutter CMOS Image Sensor
- 5M 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

Model	FE-N8-M
Sensor	Sony IMX548
Sensor Size	1/1.8"
Sensor Technology	Global Shutter
Resolution (pixels)	H x V= 2448 x 2048 (5M)
Pixel Size	2.74 μm
Frame Rate	22fps @ 8-bit
Read-out modes	Full – 2448 x 2048, 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
Mechanical Design	
Lens Mount	C Mount
Dimensions	W=29mm, H=29mm, L=42mm
Weight	80 g
Operation Temperature	0°~50°C
Storage Temperature	TBD
Humidity	20 – 80%, non-condensing
Standard	
Compliance	EMC: CE / FCC
Protocol Standard	GigE Vision, GenICam

Dimension

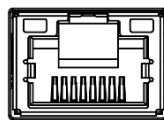


DC Input/Trigger



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

Spectral Sensitivity

