DYNAC●L●R
always watching

◢ 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 Preguis 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.
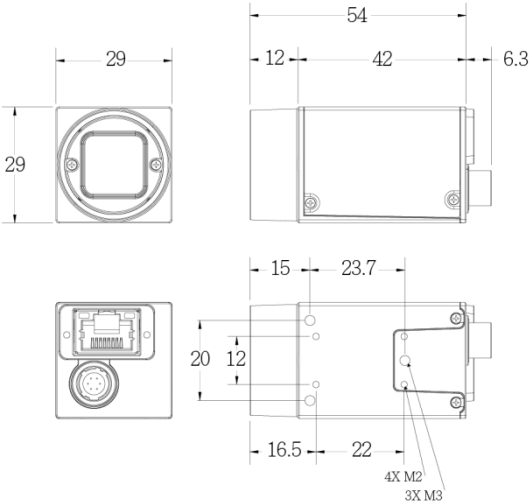
GiGE VISION

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	0º~50ºC
Storage Temperature	TBD
Humidity	20 – 80%, non-condensing
Standard	
Compliance	EMC: CE / FCC
Protocol Standard	GigE Vision, GenICam

Dimension
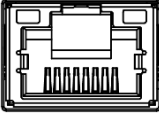
DC Input/Trigger

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