

- ▲ Sony UV CMOS Image Sensor
- ▲ Global Shutter
- ▲ High Sensitivity and Low Readout Noise
- ▲ 8M Resolution
- ▲ Trigger Mode Supported
- ▲ GigE Vision Supported



Latest Sensor Technology

The new UV camera can extend the spectral inspection from visible wavelength to UV wavelength. Though, the pixels are miniaturized down to $2.74\mu\text{m}$, it perfectly maintain high UV sensitivity, high-speed capability, and low readout noise with Sony's Pregius S technology.

★ The Pregius S logo is trademark of Sony Corporation.

SONY

Pregius S ★

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

- SONY UV CMOS Image Sensor
- Global Shutter
- 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

Specification

Model	FE-N9-U
Sensor	
Sensor	Sony IMX487
Sensor Size	2/3"
Sensor Technology	UV Global Shutter
Resolution (pixels)	H x V= 2840 x 2840 (8M)
Pixel Size	2.74 μm
Frame Rate	13 fps @ 8-bit
Read-out modes	Full – 2840 x 2840 ROI – with X offset and width in 2-pixel steps, with Y offset and height in 2-line steps
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	87 g
Operation Temperature	0°~50°C
Storage Temperature	TBD
Humidity	20 – 80%, non-condensing
Standard	
Compliance	EMC: CE / FCC
Protocol Standard	GigE Vision, GenICam

