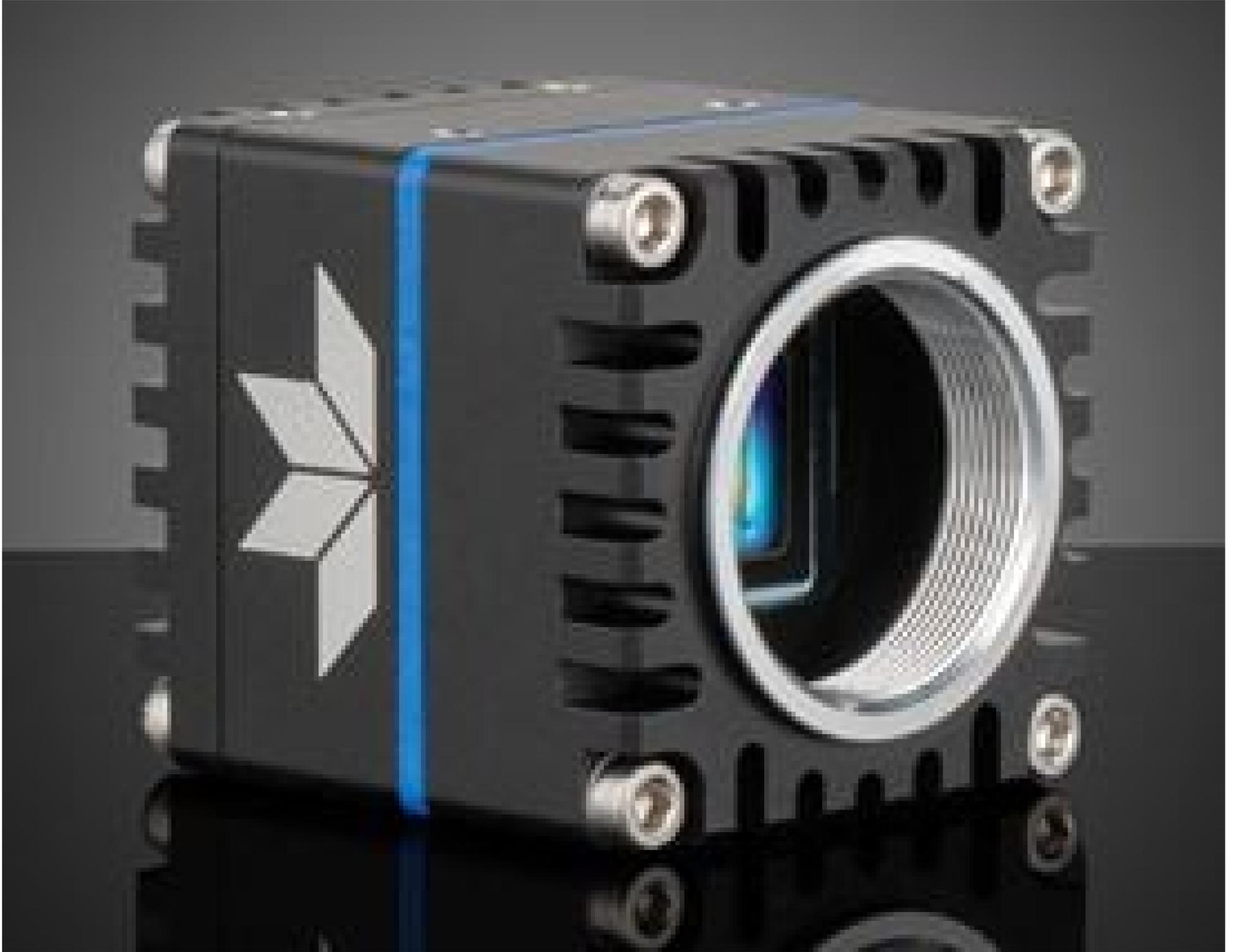


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## FG-PGE-13S3S-U-C, FLIR Forge GigE SWIR Camera (Recertified 05-P)

See More by [Teledyne FLIR](#)



Stock #73-735-RCD-05P RECERTIFIED **1 In Stock**

⊖ 1 ⊕ C\$12,052<sup>00</sup>

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### Product Downloads

Spectrum: SWIR

### General

Type: SWIR Camera  
 Model Number: FG-PGE-13S3S-U-C  
 Manufacturer: FLIR  
 Camera Series: Forge

Note:  
**REQUIRES AN END USER STATEMENT TO BE COMPLETED BEFORE SHIPMENT**

## Physical & Mechanical Properties

40 x 40 x 43      **Dimensions (mm):**

116      **Weight (g):**

Full      **Housing:**

## Sensor

240MB      **Image Buffer:**

1/2"      **Sensor Format:**

1.30      **Resolution (Megapixels):**

92.00      **Frame Rate (fps):**

1,280 x 1,024      **Pixels (H x V):**

5 x 5      **Pixel Size, H x V (µm):**

3.51 x 2.81      **Sensing Area, H x V (mm):**

Sony IMX990      **Imaging Sensor:**

Progressive Scan CMOS      **Type of Sensor:**

Global      **Shutter Type:**

8/10/12 Bit      **Pixel Depth:**

15µs - 30s      **Exposure Time:**

57      **Dynamic Range (dB):**

GigE Vision v2.0      **Machine Vision Standard:**

## Electrical

2.9      **Power Consumption (W):**

## Hardware & Interface Connectivity

GigE      **Interface:**

RJ45 (horizontal locking) | Hirose HR10A-7R-6PB      **Connector:**

**Power Supply:**  
Power Supply Required and Sold Separately:  
USA: [#88-063](#)  
Europe: [#88-063](#)  
Japan: [#88-063](#)  
Korea: Not Available  
China: [#88-063](#)

1 opto-isolated input, 1 opto-isolated output      **GPIOs:**

Hardware Trigger (GPIO) or Software Trigger      **Synchronization:**

Back Panel      **Interface Port Orientation:**

6-pin Hirose (HR10)      **GPIO Connector Type:**

## Threading & Mounting

C-Mount      **Mount:**

## Environmental & Durability Factors

0 to 50 (ambient)      **Operating Temperature (°C):**

-30 to 65      **Storage Temperature (°C):**

[View](#)

## Product Details

- 1.3MP Resolution with Framrates up to 92FPS
- Extended Spectral Range of 400 to 1700 nm
- Compact (40 x40 x43mm), Lightweight, and Robust All Metal Design
- **Requires an [END USER STATEMENT](#) to Be Completed Before Shipment**



Teledyne  
Authorized  
Distributor

Teledyne FLIR IIS Forge 1GigE SWIR Cameras are engineered to deliver high-performance imaging across both visible and short-wave infrared (SWIR) spectrums, making them ideal for a variety of industrial applications where performance is critical. These cameras' capabilities make them versatile tools for applications requiring detailed imaging beyond the visible spectrum. FLIR IIS Forge 1GigE SWIR Camera is essential in applications where traditional visible light imaging is insufficient.

Key Applications Include:

- **Industrial Inspection:** Detecting surface defects, material inconsistencies, and contaminants in manufacturing processes.
- **Semiconductor Inspection:** Identifying internal defects in silicon wafers and ensuring the quality of semiconductor devices.
- **Food and Beverage Quality Control:** Assessing moisture content, ripeness, and detecting foreign objects in food products
- **Recycling and Material Sorting:** Differentiating materials such as plastics, metals, and paper for efficient recycling processes.
- **Security and Surveillance:** Enhancing visibility in low-light conditions and through obscurants like smoke or fog.
- **Environmental Monitoring:** Detecting pollutants, monitoring vegetation health, and assessing water quality.