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FG-P5G-50S4C-C, FLIR Forge 5GigE Camera

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Teledyne FLIR IIS Forge 5GigE Camera - Front

Teledyne Authorized Distributor

Stock **#28-643** **2 In Stock**

- 1 + **€1.250**.00

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Qty 1+	**€1.250,00** each
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Product Downloads

Spectrum:
Color

General

Type:
Color Camera

Model Number:
FG-P5G-50S4C-C

Manufacturer:
FLIR

Camera Series:
Forge

Physical & Mechanical Properties

Dimensions (mm):
23 x 44 x 74 (excludes connectors and lens mount)

Weight (g):
132

Housing:
Full

Sensor

Image Buffer:
500MB

Sensor Format:
1/1.8"

Resolution (Megapixels):
5.00

Frame Rate (fps):
122.00

Pixels (H x V):
2,448 x 2,048

Pixel Size, H x V (µm):
2.74 x 2.74

Sensing Area, H x V (mm):
6.71 x 5.61

Imaging Sensor:
Sony IMX547

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8/10/12 Bit

Exposure Time:
6µs - 30s

Dynamic Range (dB):
48.00

Machine Vision Standard:
GigE Vision v2.0

Electrical

Power Consumption (W):
8.5

Hardware & Interface Connectivity

Interface:
5GigE (PoE)

Connector:
5GigE, RJ45 with Screw Locks

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

GPIOs:
1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input

Synchronization:
Hardware Trigger (GPIO) or Software Trigger

Interface Port Orientation:
Back Panel

GPIO Connector Type:
6-pin Hirose (HR10)

Threading & Mounting

Mount:
C-Mount

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):

-30 to +60

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- Constructed on an All-New Platform
- Offers Burst Mode to Capture Images at Speeds up to 10Gb/s into Memory
- Designed to Simplify OEM Integration with Features Including PoE, Strong Thermal Management and Opto-Isolated Triggering

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Teledyne FLIR IIS Forge® 5GigE: The Machine Vision Camera That Fits Anywhere

A 5 Megapixel camera delivering high resolution images at 5GigE speed

The **FLIR IIS Forge® 5GigE** is designed for industrial imaging applications that require high-speed data capture and transfer such as Food, Beverage, Battery, Electronics inspection, and more. Based on the Sony Pregius S Backside Illuminated (BSI) sensors this camera can detect microscopic scratches on various materials due to its higher sensitivity in the UV spectrum.
These models support advanced features such as:

- Burst Mode: Achieves 59% faster capture rate at 207 FPS when compared to other 5GigE cameras on the market.
- Lens Shading Correction: Improves entire image uniformity with lenses at a higher F-Stop (removing vignetting).

The **FLIR/IIS Forge® 5GigE** features an all-new platform, it is designed to offer the richest combination of on-camera pre-processing features, leverage the industry's most advanced sensors, and support the Trigger-to-Image Reliability (T2IR) framework contributing to robust system designs. Designed to simplify OEM integration with features including PoE, strong thermal management and opto-isolated triggering for streamlined peripherals & easier camera control. Forge® supports both Teledyne Spinnaker and Sapera SDKs and GigE Vision compliant software packages.

Features

- Data interface options: 5 GigE, 2.5 GigE, 1 GigE
- 5 Megapixel, 12 Megapixel, 16 Megapixel or 24.5 Megapixel CMOS sensor options
- Color or monochrome models
- 500 MB image buffer for controlled data transfer
- 6-pin GPIO connector
- Compatible with third-party software and hardware
- Support for a wide range of operating systems and host system architectures
- Rich sample code and descriptive API logging
- Simplified product iteration with consistent form factor across sensor sizes

Applications

- Factory automation
- Biometrics kiosk solutions
- Bar code reading
- Container inspection
- 3D scanning
- Automated optical inspection

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