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BFLY-PGE-12A2C-CS 1/3" Blackfly® PoE GigE Color Camera

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Teledyne FLIR IIS Blackfly® GigE Cameras (Front)



Stock #89-534 [CONTACT US](#)

- 1 + €355⁰⁰

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| Volume Pricing | |
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| Qty 1+ | €355,00 each |
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ⓘ Prices shown are exclusive of VAT/local taxes

Note: This item requires accessories for use | [Learn More](#)

Product Downloads

Color **Spectrum:**

General

Color Camera **Type:**

| | |
|-------------------|-----------------------|
| BFLY-PGE-12A2C-CS | Model Number: |
| FLIR | Manufacturer: |
| Blackfly® | Camera Series: |

Physical & Mechanical Properties

| | |
|---------------------------------------------------|-------------------------|
| 29 x 29 x 30 (excludes connectors and lens mount) | Dimensions (mm): |
| 36 | Weight (g): |
| Full | Housing: |

Sensor

| | |
|-----------------------|----------------------------------|
| 16MB | Image Buffer: |
| 1/3" | Sensor Format: |
| 1.20 | Resolution (Megapixels): |
| 52.00 | Frame Rate (fps): |
| 1,280 x 960 | Pixels (H x V): |
| 3.75 x 3.75 | Pixel Size, H x V (µm): |
| 4.8 x 3.6 | Sensing Area, H x V (mm): |
| ON Semi AR0134 | Imaging Sensor: |
| Progressive Scan CMOS | Type of Sensor: |
| Global | Shutter Type: |
| 12 bit | Pixel Depth: |
| 19µs - 1.226s | Exposure Time: |
| 59.97 | Dynamic Range (dB): |
| GigE Vision v1.2 | Machine Vision Standard: |

Electrical

| | |
|-----|-------------------------------|
| 2.5 | Power Consumption (W): |
|-----|-------------------------------|

Hardware & Interface Connectivity

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| GigE (PoE) | Interface: |
| GigE, RJ45 with Screw Locks | Connector: |
| Power Supply Required and Sold Separately. USA: #88-063 Europe: #88-063 Japan: #88-063 Korea: Not Available China: #88-063 | Power Supply: |
| 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

| | |
|----------------------------------------------------------|--------------------------|
| CS-Mount | Mount: |
| 1/4-20 with Tripod Mount Adapter #88-210 | Mounting Threads: |

Environmental & Durability Factors

0 to +45 **Operating Temperature (°C):**

-30 to +60 **Storage Temperature (°C):**

Regulatory Compliance

[View](#)

Certificate of Conformance:

Product Details

Two GigE cables are required if using the PoE injector. Use (#03-618) 5mm Spacer to convert CS-Mount Cameras to C-Mount. Software available for [download](#).

- Ultra-Compact Design
- Power over Ethernet (PoE) for Maximum Flexibility
- Includes Image Capture Software and FlyCapture2 SDK
- [USB3](#) Versions Also Available



Teledyne
Authorized
Distributor

Teledyne FLIR IIS Blackfly®: Legacy series Machine Vision Cameras that fit anywhere

The Blackfly® camera line combines Sony, Aptina, and e2v sensors with a host of unique features.

The **Blackfly®** machine vision camera line combines the high throughput of USB 3.0 or GigE, offering a number of highly sensitive sensors. The camera combines a comprehensive list of unique features, offering industry-leading capabilities, affordability, and uncompromising value. The ultra-compact Blackfly camera measures 29 x 29 x 30mm, weighs just 36 grams, uses 3 watts of power, and includes a 3-year warranty.

The **Blackfly®** is available with either color or monochrome sensors, providing a versatile imaging solution to easily obtain the exact images required to accelerate application development. A range of camera accessories and a common form factor provide a consistent platform for integration across the range of available sensor formats, resolution, and frame rates.

Note: Two GigE cables are required if using the PoE injector. Use (#03-618) 5mm Spacer to convert CS-Mount Cameras to C-Mount. Software available for download.

Blackfly® GigE color / monochrome

- Models are available with various image sensors in a range of resolutions: 1.2 MP, 1.3 MP, 2.0 MP, 2.3 MP, 3.2 MP, and 5.0 MP

Features

- Perfect analog camera replacement
- Data interface options: either GigE or [USB3](#)
- CS-mount
- Ultra-compact form factor, measuring 29 x 29 x 30mm, weighs only 36g
- On-camera image processing includes color interpolation, gamma, and LUT
- 16 MByte frame buffer
- LED status indicator
- Supports partial readout via ROI, binning, decimation
- Triggering modes include standard, bulb, overlapped, multi-shot (not all sensors support all modes)
- 2 user configuration sets for custom camera settings
- Bit depth: 10 or 12-bit
- Advanced auto-algorithms or precise manual control over image capture and on-camera pre-processing
- Windows or Linux platforms (32 or 64-bit)
- Camera control via FlyCapture SDK or 3rd-party USB3 Vision software

Applications

- Life science instrumentation
- Factory automation
- Biometrics kiosk solutions
- Ophthalmoscopy
- 3D scanning
- Automated optical inspection
- Food & Beverage industry