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Teledyne FLIR IIS Blackfly S GigE Cameras

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- PoE (Power over Ethernet)
- GigE Vision and GenICam Compliant
- Ultra Compact Form Factor
- Extensive API Library and Included Spinnaker SDK



Common Specifications

General

Manufacturer: FLIR

Physical & Mechanical Properties

Housing: Full

Sensor

Image Buffer: 240MB

Type of Sensor: Progressive Scan CMOS

Machine Vision Standard: GigE Vision v1.2

Hardware & Interface Connectivity

Interface: GigE (PoE)

Connector: GigE, RJ45 with Screw Locks

Power Supply:

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

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)

Environmental & Durability Factors

Operating Temperature (°C): 0 to +50

Storage Temperature (°C): -30 to +60

Technical Information

Products

Type	Model Number	Sensor Format	Resolution (Megapixels)	Connector	Mount	Stock Number	Price	Buy
Color Camera	BFS-PGE-04S2C-CS	1/2.9"	0.40	GigE, RJ45 with Screw Locks	CS-Mount	#11-524	S\$505.40	2 In Stock
Monochrome Camera	BFS-PGE-04S2M-CS	1/2.9"	0.40	GigE, RJ45 with Screw Locks	CS-Mount	#11-523	S\$505.40	3 In Stock
Color Camera	BFS-PGE-13Y3C-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#36-559	S\$581.00	5 In Stock
Monochrome Camera	BFS-PGE-13Y3M-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#36-558	S\$581.00	3 In Stock
Monochrome Camera	BFS-PGE-14Y3M-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#22-074	S\$672.00	2 In Stock
Color Camera	BFS-PGE-16S2C-CS	1/2.9"	1.60	GigE, RJ45 with Screw Locks	CS-Mount	#11-526	S\$519.40	5 In Stock
Monochrome Camera	BFS-PGE-16S2M-CS	1/2.9"	1.60	GigE, RJ45 with Screw Locks	CS-Mount	#11-525	S\$519.40	2 In Stock
Color Camera	BFS-PGE-16S7C-C	1.1"	1.70	GigE, RJ45 with Screw Locks	C-Mount	#22-075	S\$1,834.00	1 In Stock
Monochrome Camera	BFS-PGE-16S7M-C	1.1"	1.70	GigE, RJ45 with Screw Locks	C-Mount	#22-076	S\$1,834.00	3 In Stock
Color Camera	BFS-PGE-19S4C-C	1/1.7"	2.00	GigE, RJ45 with Screw Locks	C-Mount	#22-077	S\$917.00	1 In Stock
Monochrome Camera	BFS-PGE-19S4M-C	1/1.7"	2.00	GigE, RJ45 with Screw Locks	C-Mount	#22-078	S\$917.00	1 In Stock
Color Camera	BFS-PGE-23S3C-CS	1/2.3"	2.30	GigE, RJ45 with Screw Locks	CS-Mount	#22-079	S\$589.40	3 In Stock
Color Camera	BFS-PGE-23S3C-C	1/2.3"	2.30	GigE, RJ45 with Screw Locks	C-Mount	#12-754	S\$589.40	5 In Stock
Monochrome Camera	BFS-PGE-23S3M-C	1/2.3"	2.30	GigE, RJ45 with Screw Locks	C-Mount	#12-753	S\$589.40	1 In Stock
Color Camera	BFS-PGE-27S5C-C	2/3"	2.80	GigE, RJ45 with Screw Locks	C-Mount	#13-921	S\$1,001.00	1 In Stock

Monochrome Camera	BFS-PGE-27S5M-C	2/3"	2.80	GigE, RJ45 with Screw Locks	C-Mount	#13-920	S\$1,001.00	Contact Us
Color Camera	BFS-PGE-31S4C-C	1/1.8"	3.20	GigE, RJ45 with Screw Locks	C-Mount	#11-528	S\$791.00	5 In Stock
Monochrome Camera	BFS-PGE-31S4M-C	1/1.8"	3.20	GigE, RJ45 with Screw Locks	C-Mount	#11-527	S\$791.00	2 In Stock
Color Camera	BFS-PGE-50S4C-C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C-Mount	#22-080	S\$1,036.00	1 In Stock

[#22-080-RCD-05P Recertified](#)



Recertified

Stock No.: 22-080-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

Typically 1-2 Recertified Products are in stock at a time. Please contact our sales team if you would like exact availability of an item.

Recertified products are those identified with the recertified logo indicating they were returned to Edmund Optics® and cannot be sold as new for the following reasons:

- Open Box – Missing original packaging
- Cosmetic Blemishes – Scratches, rub marks or other minor cosmetic imperfections
- Service/Repair – Product has been serviced to the factory original specification
- Factory Returns – Product has been returned in its original condition

Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard [return policy](#) applies.

View all our [recertified products](#) in the Web Specials section of our website.

[Parts](#) [Cosmetic](#)

Color Camera	BFS-PGE-50S4C-C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C-Mount	S\$910.00	2 In Stock
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		All Original Parts Included	P	Perfect
05	Missing Manual	N	Minor Defect/Scratches	
04	Missing Manual and Small Accessory	J	Major Defect/Scratches	
03	Missing Manual and Large Accessory			
02				

Monochrome Camera	BFS- PGE- 50S4M- C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C- Mount	#22-081	S\$1,036.00	1 In Stock
Color Camera	BFS- PGE- 50S5C- C	2/3"	5.00	GigE, RJ45 with Screw Locks	C- Mount	#36-561	S\$1,232.00	1 In Stock



Recertified

Stock No.: 36-561-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

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in stock at a time. Please contact our
sales team if you would like exact
availability of an item.*

Recertified products are those
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indicating they were returned to
Edmund Optics® and cannot be sold
as new for the following reasons:

- Open Box – Missing original
packaging
- Cosmetic Blemishes –
Scratches, rub marks or other
minor cosmetic imperfections
- Service/Repair – Product has
been serviced to the factory
original specification
- Factory Returns – Product has
been returned in its original
condition

Color Camera	BFS-PGE-50S5C-C	2/3"	5.00	GigE, RJ45 with Screw Locks	C-Mount	Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard return policy applies.	\$1,258.60	1 In Stock
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View all our [recertified products](#) in the
Web Specials section of our website.

	Parts	Cosmetic
05	All Original Parts Included	P Perfect
04	Missing Manual	N Minor Defect/Scratches
03	Missing Manual and Small Accessory	J Major Defect/Scratches
02	Missing Manual and Large Accessory	

Monochrome Camera	BFS-PGE-50S5M-C	2/3"	5.00	GigE, RJ45 with Screw Locks	C-Mount	#36-560	S\$1,232.00	1 In Stock
Polarized Color Camera	BFS-PGE-51S5PC-C	2/3"	5.00	GigE, RJ45 with Screw Locks	C-Mount	#13-929	S\$3,360.00	Contact Us
Polarized Monochrome Camera	BFS-PGE-51S5P-C	2/3"	5.00	GigE, RJ45 with Screw Locks	C-Mount	#12-794	S\$3,360.00	1 In Stock
Color Camera	BFS-PGE-63S4C-C	1/1.8"	6.30	GigE, RJ45 with Screw Locks	C-Mount	#12-756	S\$579.60	6 In Stock
Monochrome Camera	BFS-PGE-63S4M-C	1/1.8"	6.30	GigE, RJ45 with Screw Locks	C-Mount	#12-755	S\$579.60	2 In Stock
Color Camera	BFS-PGE-70S7C-C	1.1"	7.10	GigE, RJ45 with Screw Locks	C-Mount	#13-923	S\$3,010.00	Contact Us
Monochrome Camera	BFS-PGE-70S7M-C	1.1"	7.10	GigE, RJ45 with Screw Locks	C-Mount	#13-922	S\$3,010.00	Contact Us
Color Camera	BFS-PGE-88S6C-C	1"	8.90	GigE, RJ45 with Screw Locks	C-Mount	#11-530	S\$2,289.00	3 In Stock
Monochrome Camera	BFS-PGE-88S6M-C	1"	8.90	GigE, RJ45 with Screw Locks	C-Mount	#11-529	S\$2,289.00	1 In Stock
Color Camera	BFS-PGE-120S4C-CS	1/1.7"	12.00	GigE, RJ45 with Screw Locks	CS-Mount	#13-919	S\$687.40	2 In Stock
Monochrome Camera	BFS-PGE-120S4M-CS	1/1.7"	12.00	GigE, RJ45 with Screw Locks	CS-Mount	#13-918	S\$687.40	2 In Stock
Color Camera	BFS-PGE-122S6C-C	1.1"	12.30	GigE, RJ45 with Screw Locks	C-Mount	#11-532	S\$2,828.00	Contact Us
Monochrome Camera	BFS-PGE-122S6M-C	1.1"	12.30	GigE, RJ45 with Screw Locks	C-Mount	#11-531	S\$2,828.00	1 In Stock
Polarized Monochrome Camera	BFS-PGE-123S6P-C	1.1"	12.30	GigE, RJ45 with Screw Locks	C-Mount	#22-082	S\$6,496.00	2 In Stock

