

[All Products](#) / [Cameras](#) / [Gigabit Ethernet Cameras](#)

Teledyne FLIR IIS Blackfly S GigE Cameras See More by [Teledyne FLIR](#)



- 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	£306.85	2 In Stock
Monochrome Camera	BFS-PGE-04S2M-CS	1/2.9"	0.40	GigE, RJ45 with Screw Locks	CS-Mount	#11-523	£306.85	3 In Stock
Color Camera	BFS-PGE-13Y3C-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#36-559	£352.75	5 In Stock
Monochrome Camera	BFS-PGE-13Y3M-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#36-558	£352.75	3 In Stock
Monochrome Camera	BFS-PGE-14Y3M-C	1/2"	1.30	GigE, RJ45 with Screw Locks	C-Mount	#22-074	£408.00	2 In Stock
Color Camera	BFS-PGE-16S2C-CS	1/2.9"	1.60	GigE, RJ45 with Screw Locks	CS-Mount	#11-526	£315.35	5 In Stock
Monochrome Camera	BFS-PGE-16S2M-CS	1/2.9"	1.60	GigE, RJ45 with Screw Locks	CS-Mount	#11-525	£315.35	4 In Stock
Color Camera	BFS-PGE-16S7C-C	1.1"	1.70	GigE, RJ45 with Screw Locks	C-Mount	#22-075	£1,113.50	1 In Stock
Monochrome Camera	BFS-PGE-16S7M-C	1.1"	1.70	GigE, RJ45 with Screw Locks	C-Mount	#22-076	£1,113.50	3 In Stock
Color Camera	BFS-PGE-19S4C-C	1/1.7"	2.00	GigE, RJ45 with Screw Locks	C-Mount	#22-077	£556.75	1 In Stock
Monochrome Camera	BFS-PGE-19S4M-C	1/1.7"	2.00	GigE, RJ45 with Screw Locks	C-Mount	#22-078	£556.75	1 In Stock
Color Camera	BFS-PGE-23S3C-CS	1/2.3"	2.30	GigE, RJ45 with Screw Locks	CS-Mount	#22-079	£357.85	3 In Stock



Recertified

Stock No.: 22-079-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.

Color Camera	BFS- PGE- 23S3C- CS	1/2.3"	2.30	GigE, RJ45 with Screw Locks	CS- Mount	£286.28	1 In Stock
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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		

Color Camera	BFS-PGE-23S3C-C	1/2.3"	2.30	GigE, RJ45 with Screw Locks	C-Mount	#12-754	£357.85	5 In Stock
Monochrome Camera	BFS-PGE-23S3M-C	1/2.3"	2.30	GigE, RJ45 with Screw Locks	C-Mount	#12-753	£357.85	Contact Us
Color Camera	BFS-PGE-27S5C-C	2/3"	2.80	GigE, RJ45 with Screw Locks	C-Mount	#13-921	£607.75	Contact Us
Monochrome Camera	BFS-PGE-27S5M-C	2/3"	2.80	GigE, RJ45 with Screw Locks	C-Mount	#13-920	£607.75	Contact Us
Color Camera	BFS-PGE-31S4C-C	1/1.8"	3.20	GigE, RJ45 with Screw Locks	C-Mount	#11-528	£480.25	5 In Stock
Monochrome Camera	BFS-PGE-31S4M-C	1/1.8"	3.20	GigE, RJ45 with Screw Locks	C-Mount	#11-527	£480.25	2 In Stock
Color Camera	BFS-PGE-50S4C-C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C-Mount	#22-080	£629.00	1 In Stock



Recertified

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

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

Color Camera	BFS- PGE- 50S4C- C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C- Mount				
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03	Missing Manual and Small Accessory	J	Major Defect/Scratches
02	Missing Manual and Large Accessory		

Monochrome Camera	BFS- PGE- 50S4M- C	1/1.8"	5.00	GigE, RJ45 with Screw Locks	C- Mount	#22-081	£629.00	1 In Stock
Color Camera	BFS- PGE- 50S5C- C	2/3"	5.00	GigE, RJ45 with Screw Locks	C- Mount	#36-561	£748.00	1 In Stock

#36-561-RCD-05P Recertified



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
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	03 Missing Manual and Small Accessory	J	Major Defect/Scratches
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Color
Camera

BFS-
PGE-
50S5C-
C

2/3"

5.00

GigE, RJ45
with Screw
Locks

C-
Mount

£597.04

1 In Stock



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