

[All Products](#) / [Cameras](#) / [USB Cameras](#)

Teledyne FLIR IIS Blackfly S USB 3.1 Cameras

 See More by [Teledyne FLIR](#)


- Ultra-Compact Design
- USB3 Vision and GenICam Compliant
- Includes Image Capture Software and Spinnaker SDK



Common Specifications

General

Manufacturer:	FLIR	Camera Series:	Blackfly® S
---------------	------	----------------	-------------

Physical & Mechanical Properties

Housing:	Full
----------	------

Sensor

Image Buffer:	240MB
---------------	-------

Type of Sensor:	Progressive Scan CMOS	Machine Vision Standard:	USB3 Vision v1.0
-----------------	-----------------------	--------------------------	------------------

Hardware & Interface Connectivity

Power Supply:	Power over USB or via GPIO with #88-063	Synchronization:	Hardware Trigger (GPIO) or Software Trigger
---------------	---	------------------	---

Interface Port Orientation:	Back Panel	GPIO Connector Type:	6-pin Hirose (HR10)
-----------------------------	------------	----------------------	---------------------

Environmental & Durability Factors

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-U3-17S7C-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#15-837	S\$2,443.00	2 In Stock
Monochrome Camera	BFS-U3-17S7M-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#15-836	S\$2,443.00	3 In Stock
Color Camera	BFS-U3-04S2C-CS	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-506	S\$505.40	2 In Stock
Color Camera	BFS-U3-04S2C-C	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-085	S\$505.40	1 In Stock
Monochrome Camera	BFS-U3-04S2M-CS	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-505	S\$505.40	2 In Stock
Monochrome Camera	BFS-U3-04S2M-C	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-086	S\$505.40	2 In Stock
Color Camera	BFS-U3-13Y3C-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-452	S\$672.00	Contact Us
Monochrome Camera	BFS-U3-13Y3M-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-451	S\$672.00	Contact Us
Color Camera	BFS-U3-16S2C-CS	1/2.9"	1.60	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-508	S\$519.40	6 In Stock
Monochrome Camera	BFS-U3-16S2M-CS	1/2.9"	1.60	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-507	S\$519.40	2 In Stock
Color Camera	BFS-U3-16S7C-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-087	S\$1,834.00	1 In Stock
Monochrome Camera	BFS-U3-16S7M-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-088	S\$1,834.00	2 In Stock

Color Camera	BFS-U3-19S4C-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-089	S\$917.00	1 In Stock
Monochrome Camera	BFS-U3-19S4M-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-090	S\$917.00	1 In Stock
Color Camera	BFS-U3-20S4C-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-091	S\$1,274.00	Contact Us
Monochrome Camera	BFS-U3-20S4M-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-092	S\$1,274.00	2 In Stock
Color Camera	BFS-U3-23S3C-C	1/2.3"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-748	S\$589.40	5 In Stock
Monochrome Camera	BFS-U3-23S3M-C	1/2.3"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-747	S\$589.40	4 In Stock
Color Camera	BFS-U3-27S5C-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-093	S\$1,001.00	3 In Stock
Monochrome Camera	BFS-U3-27S5M-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-094	S\$1,001.00	2 In Stock
Color Camera	BFS-U3-28S5C-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#13-925	S\$1,372.00	Contact Us
Monochrome Camera	BFS-U3-28S5M-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#13-924	S\$1,372.00	1 In Stock
Color Camera	BFS-U3-31S4C-C	1/1.8"	3.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-750	S\$791.00	3 In Stock
Monochrome Camera	BFS-U3-31S4M-C	1/1.8"	3.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-749	S\$791.00	1 In Stock
Color Camera	BFS-U3-32S4C-C	1/1.8"	3.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-454	S\$1,267.00	1 In Stock

Monochrome Camera	BFS-U3-32S4M-C	1/1.8"	3.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-453	S\$1,267.00	2 In Stock
Color Camera	BFS-U3-50S4C-C	1/1.8"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-765	S\$1,036.00	2 In Stock
Monochrome Camera	BFS-U3-50S4M-C	1/1.8"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-766	S\$1,036.00	2 In Stock
Color Camera	BFS-U3-51S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-456	S\$1,827.00	2 In Stock
Color Camera	BFS-U3-50S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-752	S\$1,232.00	4 In Stock
Monochrome Camera	BFS-U3-51S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-455	S\$1,827.00	3 In Stock
Polarized Color Camera	BFS-U3-51S5PC-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#13-928	S\$3,360.00	2 In Stock
Polarized Monochrome Camera	BFS-U3-51S5P-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-793	S\$3,360.00	2 In Stock
Monochrome Camera	BFS-U3-50S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#12-751	S\$1,232.00	3 In Stock
Color Camera	BFS-U3-63S4C-C	1/1.8"	6.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-510	S\$579.60	5 In Stock
Monochrome Camera	BFS-U3-63S4M-C	1/1.8"	6.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-509	S\$579.60	5 In Stock
Color Camera	BFS-U3-70S7C-C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#13-927	S\$3,010.00	2 In Stock

[#13-927-RCD-05P Recertified](#)



Recertified

Stock No.: 13-927-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

Color Camera	BFS-U3-70S7C-C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount		\$2,975.00	1 In Stock
--------------	----------------	------	------	---	---------	--	------------	------------

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
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-U3-70S7M-C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#13-926	\$3,010.00	1 In Stock
-------------------	----------------	------	------	---	---------	---------	------------	------------

Color Camera	BFS-U3-88S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-512	S\$2,289.00	1 In Stock
Color Camera	BFS-U3-89S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-514	S\$4,102.00	3 In Stock
Monochrome Camera	BFS-U3-88S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-511	S\$2,289.00	1 In Stock
Monochrome Camera	BFS-U3-89S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-513	S\$4,102.00	2 In Stock
Color Camera	BFS-U3-120S4C-CS	1/1.7"	12.00	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-516	S\$687.40	4 In Stock
Monochrome Camera	BFS-U3-120S4M-CS	1/1.7"	12.00	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	#11-515	S\$687.40	1 In Stock
#74-901 New								
Color Camera	BFS-U3-120S6C-C	1/1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	 New	S\$1,995.00	Contact Us
						Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		
#74-902 New								
Monochrome Camera	BFS-U3-120S6M-C	1/1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	 New	S\$1,995.00	2 In Stock
						Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		
Color Camera	BFS-U3-122S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-518	S\$2,828.00	3 In Stock
Color Camera	BFS-U3-123S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-520	S\$4,578.00	1 In Stock
Monochrome Camera	BFS-U3-122S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-517	S\$2,828.00	2 In Stock

Monochrome Camera	BFS-U3-123S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-519	S\$4,578.00	2 In Stock
Color Camera	BFS-U3-161S7C-C	1.1"	16.10	USB 3.1 Gen 1	C-Mount	#26-119	S\$2,142.00	1 In Stock
Monochrome Camera	BFS-U3-161S7M-C	1.1"	16.10	USB 3.1 Gen 1	C-Mount	#26-120	S\$2,142.00	1 In Stock
Color Camera	BFS-U3-200S6C-C	1"	20.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-522	S\$980.00	3 In Stock
Monochrome Camera	BFS-U3-200S6M-C	1"	20.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#11-521	S\$980.00	6 In Stock
Color Camera	BFS-U3-200S7C-C	1.1"	20.00	USB 3.1 Gen 1	C-Mount	#26-121	S\$2,730.00	Contact Us
Monochrome Camera	BFS-U3-200S7M-C	1.1"	20.00	USB 3.1 Gen 1	C-Mount	#26-122	S\$2,730.00	1 In Stock
#74-898 New								
Color Camera	BFS-U3-23S6C-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	 New	S\$812.00	1 In Stock
Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!								
#74-899 New								
Monochrome Camera	BFS-U3-23S6M-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	 New	S\$812.00	Contact Us
Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!								
Color Camera	BFS-U3-244S8C-C	1.2"	24.50	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-095	S\$3,115.00	3 In Stock
Monochrome Camera	BFS-U3-244S8M-C	1.2"	24.50	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#22-096	S\$3,115.00	2 In Stock



Copyright 2024, Edmund Optics Singapore Pte. Ltd, 18 Woodlands Loop #04-00, Singapore 738100

[PRIVACY POLICY](#) [COOKIE POLICY](#) [TERMS & CONDITIONS](#)

Phone: 1-800-363-1992 :

www.edmundoptics.com