

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 GenlCam Compliant
  Includes Image Capture Software and Spinnaker SDK



#### **Common Specifications**

General	•			
Manufacturer: FLIR	Camera Series	: Blackfly® S		
Physical & Mecha	nical Properties			
Housing:	Full			
Sensor		!		
Image Buffer:	240MB			
Type of Sensor:	Progressive Scan CMOS	Machine Vision Star	ndard: USB3 Vision v1.0	
Hardware & Interf	ace Connectivity	1	i.	
Power Supply:	Power over US 063	SB or via GPIO with <u>#88-</u>	Synchronization:	Hardware Trigger (GPIO) or Software Trigger
Interface Port Orientation:	Back Panel		GPIO Connector Type:	6-pin Hirose (HR10)
Environmental &	Durability Factors		1	
Storage Temperature (°C):		-30 to +60		

**Technical Information** 

#### **Products**

Туре	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	C\$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	<u>#15-836</u>	C\$2,443.00	1 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	<u>#11-506</u>	C\$626.70	6 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 <u>-085</u>	C\$626.70	3 ln 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- <u>505</u>	C\$626.70	3 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	C\$505.40	Contact Us
Color Camera	BFS-U3- 13Y3C-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#36-45 <u>2</u>	C\$833.28	2 In Stock
Monochrome Camera	BFS-U3- 13Y3M-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#36-451</u>	C\$672.00	5 In Stock
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	C\$519.40	Contact Us
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	C\$519.40	Contact Us
Color Camera	BFS-U3- 16S7C- C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#22-087	C\$2,274.16	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	<u>#22-088</u>	C\$1,834.00	Contact Us

## Recertified

Stock No.: 22-088-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 <u>recertified products</u> in the Web Specials section of our website.

	Parts	Cosmetic			
05	All Original Parts Included		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 C C USB 3.1

USB 3.1

Gen 1, C
Micro-B with Mount Screw

Locks

C\$1,283.80 Contact Us

Color Camera	BFS-U3- 19S4C- C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#22-08 <u>9</u>	C\$917.00	3 ln 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	C\$917.00	2 ln Stock

\_\_

#### Recertified

Stock No.: 22-090-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 <u>recertified products</u> in the Web Specials section of our website.

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

BFS-U3- Gen 1, C- Re 19S4M- 1/1.7" 2.00 Micro-B with Screw Mount rm

Monochrome

Camera

USB 3.1

Locks

C\$642.60 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	<u>#22-091</u>	C\$1,579.76	1 in Stock
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	C\$1,579.76	Contact Us
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	C\$589.40	4 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	<u>#12-747</u>	C\$589.40	Contact Us
Color Camera	BFS-U3- 27S5C- C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#22-093	C\$1,001.00	Contact Us
Monochrome Camera	BFS-U3- 27S5M- C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#22-094</u>	C\$1,241.24	Contact Us
Color Camera	BFS-U3- 28S5C- C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#13- <u>925</u>	C\$1,701.28	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- <u>924</u>	C\$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	<u>#12-750</u>	C\$980.84	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	<u>#12-749</u>	C\$791.00	Contact Us
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	C\$1,571.08	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	C\$1,267.00	Contact Us
Color Camera	BFS-U3- 50S4C- C	1/1.8"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#22 <u>-765</u>	C\$1,284.64	Contact Us

Monochrome Camera	BFS-U3- 50S4M- C	1/1.8"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#22-766</u>	C\$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 <u>-456</u>	C\$2,265.48	8 In Stock
Color Camera	BFS-U3- 50S5C- C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#12-752</u>	C\$1,232.00	Contact Us
Monochrome Camera	BFS-U3- 51S5M- C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#36-455</u>	C\$2,265.48	Contact Us
Polarized Color Camera	BFS-U3- 51S5PC- C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#13-928</u>	C\$4,166.40	Contact Us
Polarized Monochrome Camera	BFS-U3- 51S5P-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#12-793</u>	C\$3,360.00	Contact Us
Monochrome Camera	BFS-U3- 50S5M- C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#12-751</u>	C\$1,232.00	1 ln 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	C\$718.70	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	<u>#11-509</u>	C\$718.70	Contact Us
Color Camera	BFS-U3- 70S7C- C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#13- <u>927</u>	C\$3,732.40	2 ln Stock

### 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
- 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 <u>recertified products</u> in the Web Specials section of our website.

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

C\$2,985.92 1 In Stock

Monochrome Camera	BFS-U3- 70S7M- C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#13-926</u>	C\$3,732.40	2 ln Stock
Color Camera	BFS-U3- 88S6C- C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#11-512	C\$2,838.36	Contact Us
Color Camera	BFS-U3- 89S6C- C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#11-514	C\$5,086.48	1 In Stock
Monochrome Camera	BFS-U3- 88S6M- C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#11-511</u>	C\$2,838.36	1 In Stock
Monochrome Camera	BFS-U3- 89S6M- C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#11-513</u>	C\$5,086.48	Contact Us
Color Camera	BFS-U3- 120S4C- CS	1/1.7"	12.00	USB 3.1 Gen 1, Micro-B with Screw Locks	CS- Mount	<u>#11-516</u>	C\$687.40	1 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 <u>-515</u>	C\$852.38	2 ln Stock
Color Camera	BFS-U3- 120S6C- C	1/1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#74-901 New  New  Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	C\$2,473.80	Contact Us
Monochrome Camera	BFS-U3- 120S6M- C	1/1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#74-902 New  New  Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	C\$1,995.00	1 In Stock
Color Camera	BFS-U3- 122S6C- C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	<u>#11-518</u>	C\$2,473.80	1 ln Stock
Color Camera	BFS-U3- 123S6C- C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C- Mount	#11-5 <u>20</u>	C\$5,676.72	1 In Stock



Copyright 2023, Edmund Optics Inc., 101 East Gloucester Pike, Barrington, NJ 08007-1380 USA Phone: 1-800-363-1992 : <a href="https://www.edmundoptics.com">www.edmundoptics.com</a>