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## Teledyne Imaging 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

#### 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	Camera 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	<a href="#">#15-837</a>	€1.745,00	3-4 days
Monochrome Camera	BFS-U3-17S7M-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#15-836</a>	€1.745,00	3-4 days
Color Camera	BFS-U3-04S2C-CS	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	<a href="#">#11-506</a>	€361,00	3-4 days
Color Camera	BFS-U3-04S2C-C	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-085</a>	€361,00	3-4 days
Monochrome Camera	BFS-U3-04S2M-CS	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	<a href="#">#11-505</a>	€361,00	3-4 days
Monochrome Camera	BFS-U3-04S2M-C	1/2.9"	0.40	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-086</a>	€361,00	3-4 days
Color Camera	BFS-U3-13Y3C-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#36-452</a>	€480,00	3-4 days
Monochrome Camera	BFS-U3-13Y3M-C	1/2"	1.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#36-451</a>	€480,00	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	<a href="#">#11-508</a>	€371,00	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	<a href="#">#11-507</a>	€371,00	In Stock
Color Camera	BFS-U3-16S7C-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-087</a>	€1.310,00	3-4 days
Monochrome Camera	BFS-U3-16S7M-C	1.1"	1.70	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-088</a>	€1.310,00	3-4 days

Color Camera	BFS-U3-19S4C-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-089</a>	€655,00	3-4 days
Monochrome Camera	BFS-U3-19S4M-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-090</a>	€655,00	3-4 days
Color Camera	BFS-U3-20S4C-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-091</a>	€910,00	3-4 days
Monochrome Camera	BFS-U3-20S4M-C	1/1.7"	2.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-092</a>	€910,00	3-4 days
Color Camera	BFS-U3-23S3C-C	1/2.3"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-748</a>	€421,00	3-4 days
Monochrome Camera	BFS-U3-23S3M-C	1/2.3"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-747</a>	€421,00	In Stock
Color Camera	BFS-U3-27S5C-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-093</a>	€715,00	Contact Us
Monochrome Camera	BFS-U3-27S5M-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-094</a>	€715,00	3-4 days
Color Camera	BFS-U3-28S5C-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#13-925</a>	€980,00	3-4 days
Monochrome Camera	BFS-U3-28S5M-C	2/3"	2.80	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#13-924</a>	€980,00	3-4 days
Color Camera	BFS-U3-31S4C-C	1/1.8"	3.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-750</a>	€565,00	3-4 days
Monochrome Camera	BFS-U3-31S4M-C	1/1.8"	3.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-749</a>	€565,00	3-4 days
Color Camera	BFS-U3-32S4C-C	1/1.8"	3.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#36-454</a>	€905,00	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	<a href="#">#36-453</a>	€905,00	3-4 days
Color Camera	BFS-U3-50S4C-C	1/1.8"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-765</a>	€740,00	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	<a href="#">#22-766</a>	€740,00	3-4 days
Color Camera	BFS-U3-51S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#36-456</a>	€1.305,00	3-4 days
Color Camera	BFS-U3-50S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-752</a>	€880,00	3-4 days
Monochrome Camera	BFS-U3-51S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#36-455</a>	€1.305,00	3-4 days
Polarized Color Camera	BFS-U3-51S5PC-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#13-928</a>	€2.400,00	3-4 days
Polarized Monochrome Camera	BFS-U3-51S5P-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-793</a>	€2.400,00	3-4 days
Monochrome Camera	BFS-U3-50S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#12-751</a>	€880,00	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	<a href="#">#11-510</a>	€414,00	3-4 days
Monochrome Camera	BFS-U3-63S4M-C	1/1.8"	6.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-509</a>	€414,00	In Stock
Monochrome Camera	BFS-U3-70S7M-C	1.1"	7.10	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#13-926</a>	€2.150,00	3-4 days
Color Camera	BFS-U3-88S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-512</a>	€1.635,00	3-4 days

Color Camera	BFS-U3-89S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-514</a>	€2.930,00	3-4 days
Monochrome Camera	BFS-U3-88S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-511</a>	€1.635,00	3-4 days
Monochrome Camera	BFS-U3-89S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-513</a>	€2.930,00	3-4 days
Color Camera	BFS-U3-120S4C-CS	1/1.7"	12.00	USB 3.1 Gen 1, Micro-B with Screw Locks	CS-Mount	<a href="#">#11-516</a>	€491,00	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	<a href="#">#11-515</a>	€491,00	In Stock
Color Camera	BFS-U3-122S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-518</a>	€1.425,00	3-4 days
Color Camera	BFS-U3-123S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-520</a>	€3.270,00	3-4 days
Monochrome Camera	BFS-U3-122S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-517</a>	€1.425,00	3-4 days
Monochrome Camera	BFS-U3-123S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-519</a>	€3.270,00	3-4 days
Color Camera	BFS-U3-161S7C-C	1.1"	16.10	USB 3.1 Gen 1	C-Mount	<a href="#">#26-119</a>	€1.530,00	3-4 days
Monochrome Camera	BFS-U3-161S7M-C	1.1"	16.10	USB 3.1 Gen 1	C-Mount	<a href="#">#26-120</a>	€1.530,00	Contact Us
Color Camera	BFS-U3-200S6C-C	1"	20.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-522</a>	€700,00	3-4 days
Monochrome Camera	BFS-U3-200S6M-C	1"	20.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#11-521</a>	€700,00	3-4 days
Color Camera	BFS-U3-200S7C-C	1.1"	20.00	USB 3.1 Gen 1	C-Mount	<a href="#">#26-121</a>	€1.950,00	3-4 days



Recertified

Stock No.: 26-121-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-U3-200S7C-C    1.1"    20.00    USB 3.1 Gen 1    C-Mount

€1.935,00

3-4 days

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.

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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		

Monochrome Camera	BFS-U3-200S7M-C	1.1"	20.00	USB 3.1 Gen 1	C-Mount	<a href="#">#26-122</a>	€1.950,00	3-4 days
Color Camera	BFS-U3-244S8C-C	4/3"	24.50	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-095</a>	€2.225,00	3-4 days
Monochrome Camera	BFS-U3-244S8M-C	1.2"	24.50	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#22-096</a>	€2.225,00	3-4 days



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