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BFS-U3-200S6M-C USB 3.1 Blackfly® S, Monochrome Camera (Recertified 05-P)

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Teledyne FLIR IIS Blackfly® S USB3 Camera (front)



Stock **#11-521-RCD-05P** RECERTIFIED CONTACT US

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- 1 + **A\$782⁴⁰**

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

BFS-U3-200S6M-C	Model Number:
Monochrome Camera	Type:

Blackfly® S	Camera Series:
FLIR	Manufacturer:
Physical & Mechanical Properties	
29 x 29 x 30 (excludes connectors and lens mount)	Dimensions (mm):
36	Weight (g):
Full	Housing:
Sensor	
18.0000000000	Frame Rate (fps):
Sony IMX183	Imaging Sensor:
2.4 x 2.4	Pixel Size, H x V (µm):
5,472 x 3,648	Pixels (H x V):
13.13 x 8.76	Sensing Area, H x V (mm):
10/12 bit	Pixel Depth:
Rolling	Shutter Type:
Progressive Scan CMOS	Type of Sensor:
67µs - 30s	Exposure Time:
1"	Sensor Format:
71.89	Dynamic Range (dB):
240MB	Image Buffer:
20.0000000000	Resolution (Megapixels):
USB3 Vision v1.0	Machine Vision Standard:
Electrical	
<3	Power Consumption (W):
Hardware & Interface Connectivity	
USB 3.1 Gen 1, Micro-B with Screw Locks	Connector:
Power over USB or via GPIO with #88-063	Power Supply:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
USB 3.1 Gen 1	Interface:
Back Panel	Interface Port Orientation:
1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input	GPIOs:
6-pin Hirose (HR10)	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #88-210	Mounting Threads:
Environmental & Durability Factors	
0 to +50	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):

Regulatory Compliance

Exempt	RoHS 2015:
View	Certificate of Conformance:

Product Details

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



Teledyne FLIR IIS Blackfly S: Advanced Machine Vision Cameras with powerful features

Capture the images you need from advanced sensors in enclosed or board-level configurations

The **Blackfly® S** is a versatile and compact machine vision camera series that leverages the industry's most advanced area scan sensors in an ultra-compact form factor. It combines powerful features that easily produce the exact images required, accelerating application development. Combining both automatic and precise manual controls over image capture and on-camera pre-processing. With options ranging from high-speed performance, high-resolution images, polarization, or low-light sensitivity, the Blackfly® S series of cameras can deliver the required results.

With the selection of camera variations all sharing the same form factor, it makes it easy to develop once, deploy anywhere. On camera features include IEEE1588 clock synchronization and full compatibility with popular third-party software supporting either GigE Vision or USB3 Vision interfaces. The Blackfly® S is available in GigE, USB3, cased, and board-level versions.

Note: USB3 cable sold separately. Use [\(#03-618\)](#) 5mm Spacer to convert CS-Mount Cameras to C-Mount. Software available for [download](#).

Blackfly® S USB3 color / monochrome cameras

- Compatible with third-party software and hardware, and supports a wide range of operating systems and host system architectures.

Features

- Ultra-compact form factor (29mm x 29mm x 39mm)
- Leverage the latest CMOS sensors and new on-camera image processing features
- Harness increased binning flexibility, powerful auto-exposure controls and robust color transformation tools
- Improve cycle time using advanced camera controls and programmable logic
- Utilize sequencer, chunk data, event notification, counters, timers and logic blocks
- Choice of CMOS global shutter, polarization, and high-sensitivity BSI sensors
- Data interface options: GigE, USB3
- Color transformation tools for true-to-life color
- Advanced auto-algorithms or precise manual control over image capture and on-camera pre-processing
- On-camera features such as IEEE1588 clock synchronization, lossless compression, and deep learning inference
- Compatible with third-party software and hardware
- Support for a wide range of operating systems and host system architectures
- Rich sample code and descriptive API logging
- Simplified product iteration with consistent form factor across sensor sizes
- Camera control via FlyCapture SDK or 3rd-party USB3 Vision software

Applications

- Intelligent Transportation Systems
- Factory automation
- Bar code reading
- 3D scanning
- Life science instrumentation
- Biometrics kiosk solutions
- Ophthalmoscopy
- Automated optical inspection
- Food & Beverage industry

Note: Please be sure to choose the correct adapter. [#88-210](#) is for Blackfly S that measure 29x29x30mm and [#15-838](#) is for Blackfly S that measure 29x29x39mm.