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Teledyne FLIR IIS Blackfly® USB 3.0 Cameras See More by [Teledyne FLIR](#)



- Ultra-Compact Design
- USB 3.0 Connectivity for Increased Image Transfer Rate
- Includes Image Capture Software and FlyCapture2 SDK
- [GigE](#) Versions Also Available



Common Specifications

General

Manufacturer:	FLIR	Camera Series:	Blackfly®
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Physical & Mechanical Properties

Dimensions (mm):	29 x 29 x 30 (excludes connectors and lens mount)	Weight (g):	36
Housing:	Full		

Sensor

Image Buffer:	16MB
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Sensor Format:	1/1.2"	Resolution (Megapixels):	2.30
Frame Rate (fps):	41.00	Pixels (H x V):	1,920 x 1,200
Pixel Size, H x V (µm):	5.86 x 5.86	Sensing Area, H x V (mm):	11.25 x 7.03
Imaging Sensor:	Sony IMX249	Type of Sensor:	Progressive Scan CMOS
Shutter Type:	Global	Pixel Depth:	10/12 bit
Exposure Time:	19µs - 3.9s	Machine Vision Standard:	USB3 Vision v1.0

Electrical

Power Consumption (W):	Not Specified
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Hardware & Interface Connectivity

Interface:	USB 3.0		
Connector:	USB 3.1 Gen 1, Micro-B with Screw Locks	Power Supply:	Power over USB or via GPIO with #88-063
GPIOs:	1 opto-isolated input, 1 opto-isolated output	Synchronization:	Hardware Trigger (GPIO) or Software Trigger
Interface Port Orientation:	Back Panel	GPIO Connector Type:	6-pin Hirose (HR10)

Threading & Mounting

Mount:	C-Mount	Mounting Threads:	1/4-20 with Tripod Mount Adapter #88-210
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Environmental & Durability Factors

Operating Temperature (°C):	0 to +45	Storage Temperature (°C):	-30 to +60
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Technical Information

Products

Type	Model Number	Sensor Format	Resolution (Megapixels)	Connector	Mount	Stock Number	Price	Buy
Color Camera	BFLY-U3-23S6C-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-433	C\$833.00	1 In Stock
Monochrome Camera	BFLY-U3-23S6M-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-432	C\$833.00	2 In Stock



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