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

Teledyne Authorized Distributor

Common Specifications

General

Manufacturer:	FLIR	**Camera Series:**	Blackfly®

Physical & Mechanical Properties

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

Sensor

Image Buffer:	16MB		
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

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:	¼-20 with Tripod Mount Adapter #88-210

Environmental & Durability Factors

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

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	₹59,500	3 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	₹59,500	Contact Us

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