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Teledyne FLIR IIS Blackfly S USB 3.1 Board Level Cameras [See More by Teledyne FLIR](#)



- USB3 Vision and GenICam Compliant
- Ultra-Compact, 29 x 29 x 10mm, Board Level Cameras
- Supports the Trigger-to-Image Reliability (T2IR) Framework
- [Fully Housed Versions](#) Available



Teledyne
Authorized
Distributor

Common Specifications

General			
Manufacturer: FLIR		Camera Series: Blackfly® S	
Note: Lens Mount Sold Separately, Found in Accessories Tab			
Physical & Mechanical Properties			
Dimensions (mm): 29 x 29 x 10 (excludes connectors and lens mount)			
Weight (g): 10		Housing: Board Level	
Sensor			
Image Buffer: 240MB		Pixel Size, H x V (µm): 3.45 x 3.45	
Type of Sensor: Progressive Scan CMOS		Shutter Type: Global	
Machine Vision Standard: USB3 Vision v1.0			
Hardware & Interface Connectivity			
Interface: USB 3.1 Gen 1			
Connector: USB3 TF38		GPIOs: 1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input	
Synchronization: Hardware Trigger (GPIO) or Software Trigger		Interface Port Orientation: Back Panel	
GPIO Connector Type: JST BM06B-NSHSS-TBT			
Threading & Mounting			
Mount: No Lens Mount			
Environmental & Durability Factors			
Operating Temperature (°C): 0 to +50		Storage Temperature (°C): -30 to +60	

Technical Information

Products

Type	Model Number	Sensor Format	Resolution (Megapixels)	Connector	Mount	Stock Number	Price	Buy
Color Camera	BFS-U3-16S2C-BD2	1/2.9"	1.60	USB3 TF38	No Lens Mount	#28-649	C\$644.06	3 In Stock
Monochrome Camera	BFS-U3-16S2M-BD2	1/2.9"	1.60	USB3 TF38	No Lens Mount	#28-650	C\$644.06	1 In Stock
Color Camera	BFS-U3-31S4C-BD2	1/1.8"	3.20	USB3 TF38	No Lens Mount	#28-651	C\$980.84	1 In Stock
Monochrome Camera	BFS-U3-31S4M-BD2	1/1.8"	3.20	USB3 TF38	No Lens Mount	#28-652	C\$791.00	2 In Stock
Color Camera	BFS-U3-50S5C-BD2	2/3"	5.00	USB3 TF38	No Lens Mount	#28-653	C\$1,232.00	1 In Stock
Monochrome Camera	BFS-U3-50S5M-BD2	2/3"	5.00	USB3 TF38	No Lens Mount	#28-654	C\$1,527.68	1 In Stock



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