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BFS-U3-51S5PC-C USB 3.1 Blackfly® S, Polarized Color Camera

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FLIR Blackfly® S USB3 Camera (front)



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Video Output:

USB 3.1 Gen 1

Type:

Polarized Color Camera

Manufacturer: FLIR
Mounting Threads: 1/4-20 with Tripod Mount Adapter #88-210
Image Buffer: 240MB
Camera Family: Blackfly® S
Model Number: BFS-U3-51S5PC-C
Imaging Sensor: Sony IMX250MYR
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 2/3"
Resolution (MegaPixels): 5.00
Pixels (H x V): 2,448 x 2,048
Pixel Size, H x V (µm): 3.45 x 3.45
Sensing Area, H x V (mm): 8.45 x 7.07
Frame Rate (fps): 75.00
Pixel Depth: 10/12 bit
Exposure Time: 6µs - 30s
Connector: USB 3.1 Gen 1, Micro-B with Screw Locks
Power Supply: Power over USB or via GPIO with #88-063
Power Consumption (W): 3 (max)
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
Dimensions (mm): 29 x 29 x 30 (excludes connectors and lens mount)
Weight (g): 36
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 71.31
Operating Temperature (°C): 0 to +50
Storage Temperature (°C): -30 to +60
GPIO Connector Type: 6-pin Hirose (HR10)
Machine Vision Standard: USB3 Vision v1.0

Regulatory Compliance

RoHS 2015: Exempt
Reach 224: Contains SVHC(s)
Certificate of Conformance: View

