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BFS-U3-28S5M-C USB 3.1 Blackfly® S, Monochrome Camera

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FLIR Blackfly® S USB3 Camera (front)



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Video Output:
USB 3.1 Gen 1

Type:
Monochrome Camera

Manufacturer: FLIR
Mounting Threads: 1/4-20 with Tripod Mount Adapter #15-838
Image Buffer: 240MB
Camera Family: Blackfly® S
Model Number: BFS-U3-28S5M-C
Imaging Sensor: Sony IMX421
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 2/3"
Resolution (MegaPixels): 2.80
Pixels (H x V): 1,936 x 1,464
Pixel Size, H x V (µm): 4.5 x 4.5
Sensing Area, H x V (mm): 8.71 x 6.59
Frame Rate (fps): 130.00
Pixel Depth: 12 bit
Exposure Time: 10µs - 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): 4.2
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 39 (excludes connectors and lens mount)
Weight (g): 53
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 70.81 (HCG) / 71.73 (LCG)
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: Compliant
Certificate of Conformance: View