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BFS-U3-70S7C-C USB 3.1 Blackfly® S, Color Camera

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FLIR Blackfly® S USB3 Camera (front)



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Video Output:
USB 3.1 Gen 1

Type:
Color Camera

Manufacturer: FLIR
Mounting Threads: 1/4-20 with Tripod Mount Adapter #15-838
Image Buffer: 240MB
Camera Family: Blackfly® S
Model Number: BFS-U3-70S7C-C
Imaging Sensor: Sony IMX428
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1.1"
Resolution (MegaPixels): 7.10
Pixels (H x V): 3,208 x 2,200
Pixel Size, H x V (µm): 4.5 x 4.5
Sensing Area, H x V (mm): 14.44 x 9.9
Frame Rate (fps): 51.00
Pixel Depth: 12 bit
Exposure Time: 9µs - 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): 70.72 (HCG) / 71.86 (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