

BFS-U3-63S4M-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 [#88-210](#)

Image Buffer:
240MB

Camera Family:
Blackfly® S

Model Number:
BFS-U3-63S4M-C

Imaging Sensor:
Sony IMX178

Type of Sensor:
Progressive Scan CMOS

Type of Shutter:
Rolling

Camera Sensor Format:
1/1.8"

Resolution (MegaPixels):
6.30

Pixels (H x V):
3,072 x 2,048

Pixel Size, H x V (µm):
2.4 x 2.4

Sensing Area, H x V (mm):
7.37 x 4.92

Frame Rate (fps):
59.60

Pixel Depth:
10/14 bit

Exposure Time:
8µs - 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

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):
73.73

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](#)

