GS3-U3-89S6C-C 1" FLIR Grasshopper®3 High Performance USB 3.0 Color Camera

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FLIR Grasshopper®3 High Performance USB 3.0 Cameras (Front)

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Video Output:
USB 3.0

Type:
Color Camera

Manufacturer:
FLIR

Mounting Threads:
¼-20 with Tripod Mount Adapter #88-057

Image Buffer:
128MB

Note:
Dimensions: Exclude ¼-20 Tripod Adapter and Lens Holder

Camera Family:
Grasshopper®3

Model Number:
GS3-U3-89S6C-C

Imaging Sensor:
Sony IMX255

Type of Sensor:
Progressive Scan CMOS

Type of Shutter:
Global

Camera Sensor Format:
1"

Resolution (MegaPixels):
8.90

Pixels (H x V):
4,096 x 2,160

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
14.13 x 7.45

Frame Rate (fps):
43.00

Pixel Depth:
8/12/16/24 bit

Exposure Time:
10µs - 32s

Connector:
USB 3.1 Gen 1, Micro-B with Screw Locks

Power Supply:
Power over USB (required for operation) #86-770 or via GPIO with #86-784

Power Consumption (W):
4.5

GPIOs:
1 opto-isolated input, 2 opto-isolated outputs, 2 non-isolated bi-directional ports

Synchronization:
Hardware Trigger (GPIO) or Software Trigger

Dimensions (mm):
44 x 29 x 57.5 (excludes connectors and lens mount)

Weight (g):
90

Mount:
C-Mount

Housing:
Full

Interface Port Orientation:
Back Panel

Dynamic Range (dB):
66.15 (Mode 0) / 71.13 (Mode 7)

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-30 to +60

GPIO Connector Type:
8-pin Hirose (HR25)

Machine Vision Standard:
USB3 Vision v1.0

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

Certificate of Conformance:
View