

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: 1/4-20 with Tripod Mount Adapter #88-057
Image Buffer: 128MB
Note: Dimensions: Exclude 1/4-20 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

