

[All Products](#) / [Cameras](#) / [USB Cameras](#)

Teledyne Imaging FLIR/IIS Grasshopper®3 See More by [Teledyne FLIR](#)



- Feature High Resolution, High Sensitivity Sensors
- High Frame Rates Driven by USB 3.0 Interface
- Includes Image Capture Software and SDK



Common Specifications

General

Manufacturer:	FLIR	Camera Family:	Grasshopper®3
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Physical & Mechanical Properties

Dimensions (mm):	44 x 29 x 57.5 (excludes connectors and lens mount)	Weight (g):	90
Housing:	Full		

Sensor

Image Buffer:	128MB		
Type of Sensor:	Progressive Scan CMOS	Type of Shutter:	Global
Machine Vision Standard:	USB3 Vision v1.0		

Electrical

Power Consumption (W):	4.5
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Hardware & Interface Connectivity

Video Output:	USB 3.0	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	GPIOs:	1 opto-isolated input, 2 opto-isolated outputs, 2 non-isolated bi-directional ports

Synchronization: Hardware Trigger (GPIO) or Software Trigger		Interface Port Orientation: Back Panel
GPIO Connector Type: 8-pin Hirose (HR25)		
Threading & Mounting		
Mounting Threads:		1/4-20 with Tripod Mount Adapter #88-057
Mount:		C-Mount
Environmental & Durability Factors		
Operating Temperature (°C):		0 to +50
Storage Temperature (°C):		-30 to +60

Technical Information

Products

Type	Model Number	Camera Sensor Format	Resolution (MegaPixels)	Connector	Mount	Stock Number	Price	Buy
Monochrome Camera	GS3-U3-23S6M-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-607	€1.180,00	In Stock
Color Camera	GS3-U3-23S6C-C	1/1.2"	2.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-608	€1.180,00	In Stock
Color Camera	GS3-U3-32S4C-C	1/1.8"	3.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-535	€1.155,00	In Stock
Monochrome Camera	GS3-U3-32S4M-C	1/1.8"	3.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-534	€1.155,00	In Stock
Monochrome Camera	GS3-U3-41C6M-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-513	€1.540,00	In Stock
Color Camera	GS3-U3-41C6C-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-514	€1.540,00	In Stock
NIR Camera	GS3-U3-41C6NIR-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#89-526	€1.540,00	In Stock
Color Camera	GS3-U3-51S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-539	€1.740,00	In Stock
Monochrome Camera	GS3-U3-51S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-538	€1.740,00	In Stock

Color Camera	GS3-U3-89S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-338	€3.395,00	In Stock
Monochrome Camera	GS3-U3-89S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-337	€3.395,00	In Stock
Monochrome Camera	GS3-U3-123S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-339	€3.635,00	In Stock
Color Camera	GS3-U3-123S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-340	€3.635,00	Contact Us



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