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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 Series:	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	Shutter Type:	Global
Machine Vision Standard:	USB3 Vision v1.0		

Electrical

Power Consumption (W):	4.5
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Hardware & Interface Connectivity

Interface:	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			
Mount:		C-Mount	
Mounting Threads:		1/4-20 with Tripod Mount Adapter #88-057	
Environmental & Durability Factors			
Operating Temperature (°C):		0 to +50	
Storage Temperature (°C):		-30 to +60	

Technical Information

Products

Type	Model Number	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	₹1,18,000	10 to 12 days
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	₹1,18,000	10 to 12 days
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	₹1,15,500	10 to 12 days
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	₹1,15,500	10 to 12 days
Monochrome Camera	GS3-U3-41C6M-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-513	₹1,54,000	10 to 12 days
Color Camera	GS3-U3-41C6C-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#88-514	₹1,54,000	10 to 12 days
NIR Camera	GS3-U3-41C6NIR-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#89-526	₹1,54,000	10 to 12 days
Color Camera	GS3-U3-51S5C-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-539	₹1,74,000	Contact Us
Monochrome Camera	GS3-U3-51S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#33-538	₹1,74,000	10 to 12 days

Color Camera	GS3-U3-89S6C-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-338	₹3,39,500	10 to 12 days
Monochrome Camera	GS3-U3-89S6M-C	1"	8.90	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-337	₹3,39,500	10 to 12 days
Monochrome Camera	GS3-U3-123S6M-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-339	₹3,63,500	10 to 12 days
Color Camera	GS3-U3-123S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	#36-340	₹3,63,500	10 to 12 days



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