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Teledyne FLIR IIS Grasshopper®3 Cameras

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- 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

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

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	S\$1,652.00	6 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	S\$1,652.00	3 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	S\$1,617.00	3 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	S\$1,617.00	2 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	S\$2,156.00	3 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	S\$2,156.00	1 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	S\$2,156.00	6 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	S\$2,436.00	3 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	S\$2,436.00	4 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	S\$4,753.00	2 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	S\$4,753.00	4 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	S\$5,089.00	1 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	\$5,089.00	1 In Stock
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Phone: 1-800-363-1992 :
www.edmundoptics.com

Recertified

Stock No.: 36-340-RCD-05P
 Recertified Code: 05P (All Original
 Parts Included, Perfect)

Recertified Products

Typically 1-2 Recertified Products are in stock at a time. Please contact our sales team if you would like exact availability of an item.

Recertified products are those identified with the recertified logo indicating they were returned to Edmund Optics® and cannot be sold as new for the following reasons:

- Open Box – Missing original packaging
- Cosmetic Blemishes – Scratches, rub marks or other minor cosmetic imperfections
- Service/Repair – Product has been serviced to the factory original specification
- Factory Returns – Product has been returned in its original condition

Color Camera	GS3-U3-123S6C-C	1.1"	12.30	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	S\$4,858.00	2 In Stock
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Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard [return policy](#) applies.

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	Parts	Cosmetic	
	All Original Parts Included	P	Perfect
05	Missing Manual	N	Minor Defect/Scratches
04	Missing Manual and Small Accessory	J	Major Defect/Scratches
03	Missing Manual and Large Accessory		
02			