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Teledyne FLIR IIS Grasshopper®3 Cameras 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



Teledyne
Authorized
Distributor

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:		¼-20 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	S\$5,089.00	1 In Stock
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#36-340-RCD-05P Recertified



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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

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