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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

<b>Manufacturer:</b>	FLIR	<b>Camera Series:</b>	Grasshopper®3
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### Physical & Mechanical Properties

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

### Sensor

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

### Electrical

<b>Power Consumption (W):</b>	4.5
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### Hardware & Interface Connectivity

<b>Interface:</b>	USB 3.0	<b>Connector:</b>	USB 3.1 Gen 1, Micro-B with Screw Locks
<b>Power Supply:</b>	Power over USB (required for operation) <a href="#">#86-770</a> or via GPIO with <a href="#">#86-784</a>	<b>GPIOs:</b>	1 opto-isolated input, 2 opto-isolated outputs, 2 non-isolated bi-directional ports

<b>Synchronization:</b> Hardware Trigger (GPIO) or Software Trigger		<b>Interface Port Orientation:</b> Back Panel
<b>GPIO Connector Type:</b> 8-pin Hirose (HR25)		
<b>Threading &amp; Mounting</b>		
<b>Mount:</b>		C-Mount
<b>Mounting Threads:</b>		1/4-20 with Tripod Mount Adapter <a href="#">#88-057</a>
<b>Environmental &amp; Durability Factors</b>		
<b>Operating Temperature (°C):</b>		0 to +50
<b>Storage Temperature (°C):</b>		-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	<a href="#">#88-607</a>	₹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	<a href="#">#88-608</a>	₹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	<a href="#">#33-535</a>	₹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	<a href="#">#33-534</a>	₹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	<a href="#">#88-513</a>	₹1,54,000	Contact Us
Color Camera	GS3-U3-41C6C-C	1"	4.20	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#88-514</a>	₹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	<a href="#">#89-526</a>	₹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	<a href="#">#33-539</a>	₹1,74,000	10 to 12 days
Monochrome Camera	GS3-U3-51S5M-C	2/3"	5.00	USB 3.1 Gen 1, Micro-B with Screw Locks	C-Mount	<a href="#">#33-538</a>	₹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	<a href="#">#36-338</a>	₹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	<a href="#">#36-337</a>	₹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	<a href="#">#36-339</a>	₹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	<a href="#">#36-340</a>	₹3,63,500	10 to 12 days



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