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## Teledyne FLIR IIS Blackfly S GigE Cameras See More by [Teledyne FLIR](#)



- PoE (Power over Ethernet)
- GigE Vision and GenICam Compliant
- Ultra Compact Form Factor
- Extensive API Library and Included Spinnaker SDK



Teledyne  
Authorized  
Distributor

Common Specifications


| General                            |  |  |  |
|------------------------------------|--|--|--|
| Manufacturer:                      |  | FLIR   |  |
| Physical & Mechanical Properties   |  |  |  |
| Housing:                           |  | Full   |  |
| Sensor                             |  |  |  |
| Image Buffer:                      |  | 240MB  | Type of Sensor:  |
|                                    |  |  | Progressive Scan CMOS  |
| Machine Vision Standard:           |  | GigE Vision v1.2   |  |
| Hardware & Interface Connectivity  |  |  |  |
| Interface:                         |  | GigE (PoE)   |  |
| Connector:                         |  | GigE, RJ45 with Screw Locks  | Power Supply:  |
|                                    |  |  | Power Supply Required and Sold Separately if not using PoE:<br>USA: <a href="#">#88-063</a><br>Europe: <a href="#">#88-063</a><br>Japan: <a href="#">#88-063</a><br>Korea: Not Available<br>China: Not Available |
| GPIOs:                             |  | 1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input | Synchronization:   |
|                                    |  |  | Hardware Trigger (GPIO) or Software Trigger  |
| Interface Port Orientation:        |  | Back Panel   | GPIO Connector Type:   |
|                                    |  |  | 6-pin Hirose (HR10)  |
| 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        |
|-------------------|------------------|---------------|-------------------------|-----------------------------|----------|-------------------------|-----------|------------|
| Color Camera      | BFS-PGE-04S2C-CS | 1/2.9"        | 0.40                    | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#11-524</a> | ₹36,100   | Contact Us |
| Monochrome Camera | BFS-PGE-04S2M-CS | 1/2.9"        | 0.40                    | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#11-523</a> | ₹36,100   | Contact Us |
| Color Camera      | BFS-PGE-13Y3C-C  | 1/2"          | 1.30                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#36-559</a> | ₹41,500   | Contact Us |
| Monochrome Camera | BFS-PGE-13Y3M-C  | 1/2"          | 1.30                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#36-558</a> | ₹41,500   | 1 In Stock |
| Monochrome Camera | BFS-PGE-14Y3M-C  | 1/2"          | 1.30                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-074</a> | ₹48,000   | 1 In Stock |
| Color Camera      | BFS-PGE-16S2C-CS | 1/2.9"        | 1.60                    | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#11-526</a> | ₹37,100   | 1 In Stock |
| Monochrome Camera | BFS-PGE-16S2M-CS | 1/2.9"        | 1.60                    | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#11-525</a> | ₹37,100   | Contact Us |
| Color Camera      | BFS-PGE-16S7C-C  | 1.1"          | 1.70                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-075</a> | ₹1,31,000 | 2 In Stock |
| Monochrome Camera | BFS-PGE-16S7M-C  | 1.1"          | 1.70                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-076</a> | ₹1,31,000 | 1 In Stock |
| Color Camera      | BFS-PGE-19S4C-C  | 1/1.7"        | 2.00                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-077</a> | ₹65,500   | 1 In Stock |
| Monochrome Camera | BFS-PGE-19S4M-C  | 1/1.7"        | 2.00                    | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-078</a> | ₹65,500   | 2 In Stock |
| Color Camera      | BFS-PGE-23S3C-CS | 1/2.3"        | 2.30                    | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#22-079</a> | ₹42,100   | 1 In Stock |

|                             |                  |        |      |                             |         |                         |           |            |
|-----------------------------|------------------|--------|------|-----------------------------|---------|-------------------------|-----------|------------|
| Color Camera                | BFS-PGE-23S3C-C  | 1/2.3" | 2.30 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#12-754</a> | ₹42,100   | Contact Us |
| Monochrome Camera           | BFS-PGE-23S3M-C  | 1/2.3" | 2.30 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#12-753</a> | ₹42,100   | 2 In Stock |
| Color Camera                | BFS-PGE-27S5C-C  | 2/3"   | 2.80 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#13-921</a> | ₹71,500   | 3 In Stock |
| Monochrome Camera           | BFS-PGE-27S5M-C  | 2/3"   | 2.80 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#13-920</a> | ₹71,500   | Contact Us |
| Color Camera                | BFS-PGE-31S4C-C  | 1/1.8" | 3.20 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#11-528</a> | ₹56,500   | 4 In Stock |
| Monochrome Camera           | BFS-PGE-31S4M-C  | 1/1.8" | 3.20 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#11-527</a> | ₹56,500   | Contact Us |
| Color Camera                | BFS-PGE-50S4C-C  | 1/1.8" | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#22-080</a> | ₹74,000   | 1 In Stock |
| Monochrome Camera           | BFS-PGE-50S4M-C  | 1/1.8" | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#22-081</a> | ₹74,000   | 3 In Stock |
| Color Camera                | BFS-PGE-50S5C-C  | 2/3"   | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#36-561</a> | ₹88,000   | 5 In Stock |
| Monochrome Camera           | BFS-PGE-50S5M-C  | 2/3"   | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#36-560</a> | ₹88,000   | 4 In Stock |
| Polarized Color Camera      | BFS-PGE-51S5PC-C | 2/3"   | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#13-929</a> | ₹2,40,000 | Contact Us |
| Polarized Monochrome Camera | BFS-PGE-51S5P-C  | 2/3"   | 5.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#12-794</a> | ₹2,40,000 | 2 In Stock |
| Color Camera                | BFS-PGE-63S4C-C  | 1/1.8" | 6.30 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#12-756</a> | ₹41,400   | 2 In Stock |
| Monochrome Camera           | BFS-PGE-63S4M-C  | 1/1.8" | 6.30 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#12-755</a> | ₹41,400   | 3 In Stock |

|  |                   |        |       |                             |          |                         |           |            |
|--|-------------------|--------|-------|-----------------------------|----------|-------------------------|-----------|------------|
| Color Camera   | BFS-PGE-70S7C-C   | 1.1"   | 7.10  | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#13-923</a> | ₹2,15,000 | Contact Us |
| Monochrome Camera  | BFS-PGE-70S7M-C   | 1.1"   | 7.10  | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#13-922</a> | ₹2,15,000 | Contact Us |
| Color Camera   | BFS-PGE-88S6C-C   | 1"     | 8.90  | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#11-530</a> | ₹1,63,500 | Contact Us |
| Monochrome Camera  | BFS-PGE-88S6M-C   | 1"     | 8.90  | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#11-529</a> | ₹1,63,500 | 1 In Stock |
| Color Camera   | BFS-PGE-120S4C-CS | 1/1.7" | 12.00 | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#13-919</a> | ₹49,100   | 2 In Stock |
| Monochrome Camera  | BFS-PGE-120S4M-CS | 1/1.7" | 12.00 | GigE, RJ45 with Screw Locks | CS-Mount | <a href="#">#13-918</a> | ₹49,100   | 1 In Stock |
| Color Camera   | BFS-PGE-122S6C-C  | 1.1"   | 12.30 | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#11-532</a> | ₹2,02,000 | 2 In Stock |
| Monochrome Camera  | BFS-PGE-122S6M-C  | 1.1"   | 12.30 | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#11-531</a> | ₹2,02,000 | 2 In Stock |
| Polarized Monochrome Camera  | BFS-PGE-123S6P-C  | 1.1"   | 12.30 | GigE, RJ45 with Screw Locks | C-Mount  | <a href="#">#22-082</a> | ₹4,64,000 | 2 In Stock |
| <a href="#">#91-237 New</a>  |                   |        |       |                             |          |                         |           |            |
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| Monochrome Camera  | BFS-PGE-161S7M-C  | 1.1"   | 16.10 | GigE, RJ45 with Screw Locks | C-Mount  |                         | ₹1,33,110 | 1 In Stock |

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|-------------------|------------------|------|-------|-----------------------------|---------|-------------------------|-----------|--------------|
| Color Camera      | BFS-PGE-161S7C-C | 1.1" | 16.10 | GigE, RJ45 with Screw Locks | C-Mount |                         | ₹1,33,110 | 1 In Stock   |
| Color Camera      | BFS-PGE-200S6C-C | 1"   | 20.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#11-534</a> | ₹70,000   | 20+ In Stock |
| Monochrome Camera | BFS-PGE-200S6M-C | 1"   | 20.00 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#11-533</a> | ₹70,000   | Contact Us   |

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|              |                  |      |       |                             |         |  |           |            |
|--------------|------------------|------|-------|-----------------------------|---------|--|-----------|------------|
| Color Camera | BFS-PGE-200S7C-C | 1.1" | 20.00 | GigE, RJ45 with Screw Locks | C-Mount |  | ₹1,95,000 | 1 In Stock |
|--------------|------------------|------|-------|-----------------------------|---------|--|-----------|------------|

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|                   |                  |      |       |                             |         |  |           |            |
|-------------------|------------------|------|-------|-----------------------------|---------|--|-----------|------------|
| Monochrome Camera | BFS-PGE-200S7M-C | 1.1" | 20.00 | GigE, RJ45 with Screw Locks | C-Mount |  | ₹1,95,000 | 1 In Stock |
|-------------------|------------------|------|-------|-----------------------------|---------|--|-----------|------------|

|              |                  |      |       |                             |         |                         |           |            |
|--------------|------------------|------|-------|-----------------------------|---------|-------------------------|-----------|------------|
| Color Camera | BFS-PGE-244S8C-C | 4/3" | 24.50 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#22-083</a> | ₹2,22,500 | 1 In Stock |
|--------------|------------------|------|-------|-----------------------------|---------|-------------------------|-----------|------------|

|                   |                  |      |       |                             |         |                         |           |            |
|-------------------|------------------|------|-------|-----------------------------|---------|-------------------------|-----------|------------|
| Monochrome Camera | BFS-PGE-244S8M-C | 4/3" | 24.50 | GigE, RJ45 with Screw Locks | C-Mount | <a href="#">#22-084</a> | ₹2,22,500 | 5 In Stock |
|-------------------|------------------|------|-------|-----------------------------|---------|-------------------------|-----------|------------|



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