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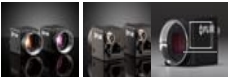
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# BFS-PGE-50S5M-C PoE GigE Blackfly® S, Monochrome Camera

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FLIR® Blackfly® S PoE GigE Cameras



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**Video Output:**  
GigE (PoE)

**Type:**  
Monochrome Camera

|                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer:</b><br>FLIR                                                                                                                                                                                            |
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#88-210</a>                                                                                                                                      |
| <b>Image Buffer:</b><br>240MB                                                                                                                                                                                           |
| <b>Camera Family:</b><br>Blackfly® S                                                                                                                                                                                    |
| <b>Model Number:</b><br>BFS-PGE-50S5M-C                                                                                                                                                                                 |
| <b>Imaging Sensor:</b><br>Sony IMX264                                                                                                                                                                                   |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                                                                                                                                         |
| <b>Type of Shutter:</b><br>Global                                                                                                                                                                                       |
| <b>Camera Sensor Format:</b><br>2/3"                                                                                                                                                                                    |
| <b>Resolution (MegaPixels):</b><br>5.00                                                                                                                                                                                 |
| <b>Pixels (H x V):</b><br>2,448 x 2,048                                                                                                                                                                                 |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                                                                                                                                           |
| <b>Sensing Area, H x V (mm):</b><br>8.45 x 7.07                                                                                                                                                                         |
| <b>Frame Rate (fps):</b><br>22.00                                                                                                                                                                                       |
| <b>Pixel Depth:</b><br>8/12/16/24 bit                                                                                                                                                                                   |
| <b>Exposure Time:</b><br>11µs - 30s                                                                                                                                                                                     |
| <b>Connector:</b><br>GigE, RJ45 with Screw Locks                                                                                                                                                                        |
| <b>Power Supply:</b><br>Power Supply Required and Sold Separately.<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 |
| <b>Power Consumption (W):</b><br>3                                                                                                                                                                                      |
| <b>GPIOs:</b><br>1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input                                                                                                     |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO) or Software Trigger                                                                                                                                                  |
| <b>Dimensions (mm):</b><br>29 x 29 x 30 (excludes connectors and lens mount)                                                                                                                                            |
| <b>Weight (g):</b><br>36                                                                                                                                                                                                |
| <b>Mount:</b><br>C-Mount                                                                                                                                                                                                |
| <b>Housing:</b><br>Full                                                                                                                                                                                                 |
| <b>Interface Port Orientation:</b><br>Back Panel                                                                                                                                                                        |
| <b>Dynamic Range (dB):</b><br>71.83                                                                                                                                                                                     |
| <b>Operating Temperature (°C):</b><br>0 to +50                                                                                                                                                                          |
| <b>Storage Temperature (°C):</b><br>-30 to +60                                                                                                                                                                          |
| <b>GPIO Connector Type:</b><br>6-pin Hirose (HR10)                                                                                                                                                                      |
| <b>Machine Vision Standard:</b><br>GigE Vision v1.2                                                                                                                                                                     |

Regulatory Compliance

|                                                       |
|-------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Exempt</a>           |
| <b>Reach 224:</b><br><a href="#">Contains SVHC(s)</a> |

