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# Basler Ace acA4096-40um USB 3.0 Monochrome Camera



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**Video Output:**  
USB 3.0

**Type:**  
Monochrome Camera

**Manufacturer:**  
Basler

|                                                                                                               |
|---------------------------------------------------------------------------------------------------------------|
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#12-611</a>                            |
| <b>Image Buffer:</b><br>Not Specified                                                                         |
| <b>Camera Family:</b><br>ace                                                                                  |
| <b>Model Number:</b><br>acA4096-40um                                                                          |
| <b>Imaging Sensor:</b><br>Sony IMX255                                                                         |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                               |
| <b>Type of Shutter:</b><br>Global                                                                             |
| <b>Camera Sensor Format:</b><br>1"                                                                            |
| <b>Resolution (MegaPixels):</b><br>9.00                                                                       |
| <b>Pixels (H x V):</b><br>4,096 x 2,168                                                                       |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                                 |
| <b>Sensing Area, H x V (mm):</b><br>14.13 x 7.48                                                              |
| <b>Frame Rate (fps):</b><br>42.00                                                                             |
| <b>Pixel Depth:</b><br>10/12 bit                                                                              |
| <b>Exposure Time:</b><br>Programmable via camera API, hardware trigger                                        |
| <b>Connector:</b><br>USB 3.0, Micro-B with Screw Locks                                                        |
| <b>Power Supply:</b><br>Power over USB                                                                        |
| <b>Power Consumption (W):</b><br>3.6                                                                          |
| <b>GPIOs:</b><br>1 opto-coupled input line, 1 opto-coupled output line,<br>2 general purpose I/O (GPIO) lines |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO), Software Trigger, or Free-Run                             |
| <b>Dimensions (mm):</b><br>35.8 x 40 x 30 (excludes connectors and lens mount)                                |
| <b>Weight (g):</b><br>80                                                                                      |
| <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>72.8                                                                            |
| <b>Operating Temperature (°C):</b><br>0 to +50                                                                |
| <b>Storage Temperature (°C):</b><br>-20 to +80                                                                |
| <b>GPIO Connector Type:</b><br>6-pin Hirose (HR10)                                                            |
| <b>Machine Vision Standard:</b><br>USB3 Vision v1.0                                                           |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |