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# Basler ace2 a2A4504-18ucPRO Color USB3 Pro Camera



Basler ace2 USB 3.0 Cameras (Front)



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**Video Output:**  
USB 3.0

**Type:**  
Color Camera

**Manufacturer:**  
Basler

|                                                                                    |
|------------------------------------------------------------------------------------|
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#16-641</a> |
| <b>Image Buffer:</b><br>Not Specified                                              |
| <b>Camera Family:</b><br>ace2                                                      |
| <b>Model Number:</b><br>a2A4504-18ucPRO                                            |
| <b>Imaging Sensor:</b><br>Sony IMX541                                              |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                    |
| <b>Type of Shutter:</b><br>Global                                                  |
| <b>Camera Sensor Format:</b><br>1.1"                                               |
| <b>Resolution (MegaPixels):</b><br>20.20                                           |
| <b>Pixels (H x V):</b><br>4,504 x 4,504                                            |
| <b>Pixel Size, H x V (µm):</b><br>2.74 x 2.74                                      |
| <b>Sensing Area, H x V (mm):</b><br>12.3 x 12.3                                    |
| <b>Frame Rate (fps):</b><br>18.00                                                  |
| <b>Pixel Depth:</b><br>8/10/12 bit                                                 |
| <b>Exposure Time:</b><br>Freely Programmable                                       |
| <b>Connector:</b><br>USB 3.0, Micro-B                                              |
| <b>Power Supply:</b><br>Power over USB                                             |
| <b>Power Consumption (W):</b><br>4.4                                               |
| <b>GPIOs:</b><br>1 opto-coupled input line, 2 general purpose I/O (GPIO) lines     |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO), Software Trigger, or Free-Run  |
| <b>Dimensions (mm):</b><br>36.3 x 29 x 29 (excludes connectors and lens mount)     |
| <b>Weight (g):</b><br><90                                                          |
| <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>70.8                                                 |
| <b>Operating Temperature (°C):</b><br>-10 to +60                                   |
| <b>Storage Temperature (°C):</b><br>-20 to +80                                     |
| <b>GPIO Connector Type:</b><br>6-pin MB                                            |
| <b>Machine Vision Standard:</b><br>USB3 Vision v1.0, GenICam                       |

## 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>             |