

# Basler ace2 a2A5060-15umBAS Monochrome USB3 Basic Camera

See More by [Basler](#)



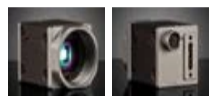
Stock #75-045 **1 In Stock**

- 1 +

£1,380<sup>.00</sup>

**ADD TO CART**

Basler ace2 USB 3.0 Cameras (Front)



Volume Pricing	
Qty 1+	£1,380.00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

**Spectrum:** Monochrome

## General

<b>Type:</b> Monochrome Camera	<b>Model Number:</b> a2A5060-15umBAS
<b>Manufacturer:</b> Basler	<b>Camera Series:</b> ace2

## Physical & Mechanical Properties

<b>Dimensions (mm):</b> 42.8 mm X 29 mm X 29 mm	<b>Weight (g):</b> 85
<b>Housing:</b> Full	

## Sensor

<b>Sensor Format:</b> 1.1"	<b>Resolution (Megapixels):</b> 25.00
<b>Frame Rate (fps):</b> 15.00	<b>Pixels (H x V):</b> 5,060 x 5,060
<b>Pixel Size, H x V (µm):</b> 2.5 x 2.5	<b>Sensing Area, H x V (mm):</b> 12.65 x 12.65
<b>Imaging Sensor:</b> E2525A	<b>Type of Sensor:</b> Progressive Scan CMOS
<b>Shutter Type:</b> Global	<b>Pixel Depth:</b> 8/10/12 Bit
<b>Exposure Time:</b> hardware trigger & freely programmable	<b>Dynamic Range (dB):</b> 70.8 dB
<b>Machine Vision Standard:</b> USB 3.0 Vision, GenICam	

## Electrical

<b>Power Consumption (W):</b> 3.5	
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## Hardware & Interface Connectivity

<b>Interface:</b>	USB 3.0	<b>Connector:</b>	USB 3.0, Micro-B
<b>Power Supply:</b>	Via USB 3.0 interface	<b>GPIOs:</b>	1 opto-coupled input line, 2 general purpose I/O (GPIO) lines
<b>Synchronization:</b>	Hardware Trigger (GPIO), Software Trigger, or Free Run	<b>Interface Port Orientation:</b>	Back Panel
<b>GPIO Connector Type:</b>	M8 6-pin		

## Threading & Mounting

<b>Mount:</b>	C-Mount	<b>Mounting Threads:</b>	¼-20 with Tripod Mount Adapter #16-641
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## Environmental & Durability Factors

<b>Operating Temperature (°C):</b>	-10 °C - 60 °C		
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## Regulatory Compliance

<b>Certificate of Conformance:</b>	<a href="#">View</a>		
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## Product Details

- USB 3.0 with SONY Pregius S Sensors up to 24MP and 160 fps
- Proven Compact Housing (29 x 29mm)
- Powerful Computer Vision Feature Set with Optional Beyond Features
- [Basler ace USB 3.0 Cameras](#) Also Available

Basler ace2 USB 3.0 Cameras are available in two versions that provide optimized hardware design, proven compact and robust housing, and state of the art CMOS sensor technology with excellent image quality from Sony's 2nd-Gen Pregius, 3rd-Gen STARVIS, or the latest 4th-Gen Pregius S sensors. These second-generation Ace cameras include all of the components of the first-generation Ace cameras along with integrated features such as a status LED, removable IR cut filter, and robust M8 connector. The Basler ace2 USB 3.0 Camera Basic version offers excellent price to performance ratio with powerful Computer Vision feature set, while the Pro version unlocks unique advanced Beyond features such as Pixel Beyond and Compression Beyond for maximum performance to meet with demanding application requirements. These cameras include the industry proven Basler Pylon SDK Software and Driver and conform to GenICam (USB3 Vision) standards, making them a fast and cost-effective solution to software integration. Basler ace2 Cameras are available in both USB 3.0 and GigE interfaces and are ideal for a wide range of applications such as factory automation and industrial robotics.

## Technical Information

*IMX676 Sensor QE Curve*

*IMX900 Sensor QE Curve*

*GMAX2505 Sensor QE Curve*

*IMX546 Sensor QE Curve*

*IMX545 Sensor QE Curve*

*GMAX2509 Sensor QE Curve*

*GMAX2518 Sensor QE Curve*

*IMX547 Sensor QE Curve*

*E2525A Sensor QE Curve*

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Basler ace2 ¼-20 Tripod Mount Adapter		#16-641	£18.00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler ace2 GPIO cable, M8 6pin to Open, 10m		#16-642	£49.00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler ace2 GPIO cable, M8 6pin to Open, 5m		#16-643	£34.00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Type-A to Micro-B, USB 3.0 Locking Cable, 5m		#88-515	£39.00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	USB 3.1 Hub 4 Port with Locking Screws and Power Supply		#89-540	£128.00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	USB 3.1 PCIe 2.0x1 4 Port Interface Card		#89-539	£64.00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	USB 3.0 Locking Cable, 3m		#25-242	£34.00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>

## Related Products



Basler ace USB 3.0 Cameras



Basler ace GigE Cameras



Basler ace2 GigE/5GigE Cameras



Basler PowerPack Microscopy Cameras

## Imaging Lens Selector



- Factory Automation
- Telecentric
- M12

- Custom Sensor
- Camera Model

Camera Model:

Number of Horizontal Pixels:

**1**

Number of Vertical Pixels:

**2**

Pixel Size (µm):

**3**

Working Distance (mm):

**4**

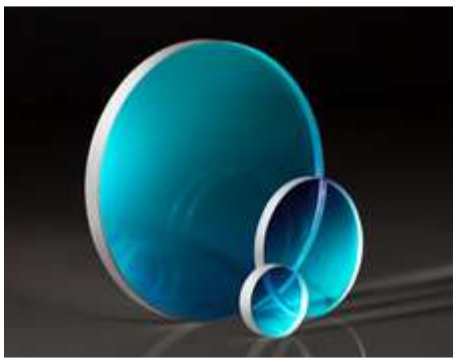
Horizontal Field of View  
(mm):

5



**Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.**

## Frequently Purchased Together



#34-243 - 50mm Dia., Uncoated,  
30° Wedge, Fused Silica  
Wedged Window  
£212.00

Qty



#16-627 - Basler ace2 a2A5328-  
15umBAS Monochrome USB3  
Basic Camera  
£2,112.00

Qty



#16-599 - Basler ace2 a2A4504-  
5gmBAS Monochrome GigE  
Basic Camera  
£1,736.00

Qty



#28-601 - Basler ace2 a2A5328-  
22g5mBAS Monochrome  
5GigE Camera  
£2,900.00

Qty

## Resources

### Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Technical Tool

APPLICATION NOTE

Sensor  
Performance  
and  
Limitations

APPLICATION NOTE

Imaging  
Electronics  
101: Basics of  
Digital...

APPLICATION NOTE

Imaging  
Electronics  
101: Camera  
Resolution fo...

APPLICATION NOTE

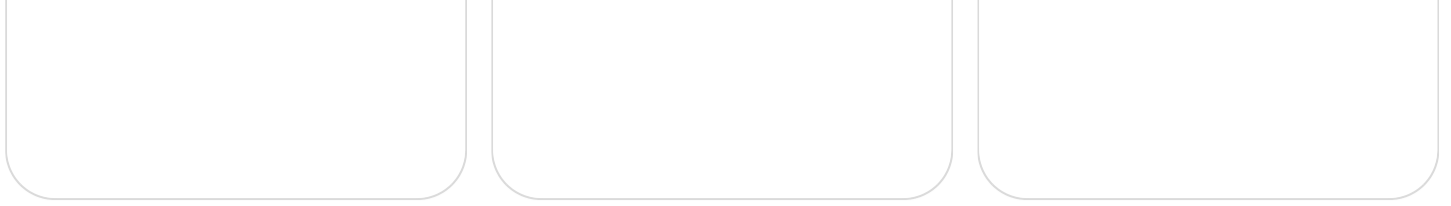
Imaging  
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101: Understandi...

VIDEO

How Do  
Cameras  
Work?

PUBLISHED ARTICLE

Advancements  
in Short Wave  
Infrared  
Sensors



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