

# Basler ace2 a2A2840-67g5mBAS Monochrome 5GigE Camera

See More by [Basler](#)



Stock #28-597 **3 In Stock**

- 1 +

S\$2,352.<sup>00</sup>

**ADD TO CART**

Basler ace2 GigE Cameras (Front)



Volume Pricing	
Qty 1+	S\$2,352.00 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
User Manual	User Manual
Software	EO Spec Sheet

**Spectrum:** Monochrome

## General

<b>Type:</b> Monochrome Camera	<b>Model Number:</b> a2A2840-67g5mBAS
<b>Manufacturer:</b> Basler	<b>Camera Series:</b> ace2

## Physical & Mechanical Properties

<b>Dimensions (mm):</b> 55.5 x 29 x 29 (excludes connectors and lens mount)	<b>Weight (g):</b> 100
<b>Housing:</b> Full	

## Sensor

<b>Image Buffer:</b> Not Specified	<b>Sensor Format:</b> 2/3"
<b>Resolution (Megapixels):</b> 8.00	<b>Frame Rate (fps):</b> 67.00
<b>Pixels (H x V):</b> 2,840 x 2,840	<b>Pixel Size, H x V (µm):</b> 2.74 x 2.74
<b>Sensing Area, H x V (mm):</b> 7.8 x 7.8	<b>Imaging Sensor:</b> Sony IMX546
<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> Freely Programmable
<b>Dynamic Range (dB):</b> 70.0	<b>Machine Vision Standard:</b> GigE Vision V2, GenICam

## Electrical

<b>Power Consumption (W):</b> 5.3	
-----------------------------------	--

## Hardware & Interface Connectivity

<b>Interface:</b>	5GigE	<b>Connector:</b>	5GigE, RJ45 with Screw Locks
<b>Power Supply:</b>	Power Supply Required and Sold Separately Powered via GPIO with <a href="#">#16-644</a>	<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>	6-pin M8		

## Threading & Mounting

<b>Mount:</b>	C-Mount	<b>Mounting Threads:</b>	¼-20 with Tripod Mount Adapter <a href="#">#16-641</a>
---------------	---------	--------------------------	--

## Environmental & Durability Factors

<b>Operating Temperature (°C):</b>	-10 to +50	<b>Storage Temperature (°C):</b>	-20 to +80
------------------------------------	------------	----------------------------------	------------

## Regulatory Compliance

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

## Product Details

Sony IMX546

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

Basler ace2 GigE/5GigE 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 GigE/5GigE 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 (GigE Vision 2.0) standards, making them a fast and cost-effective solution to software integration. Basler ace2 Cameras are available in both GigE, 5GigE and USB3.0 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 GigE Power Supply, M8 6pin		#16-644	S\$91.00 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	US Plug Power Supply Cable, 1.8m		#15-280	S\$17.00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
<a href="#">MORE+</a>	EU Plug Power Supply Cable, 1.8m		#15-279	S\$17.00 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler ace2 GPIO cable, M8 6pin to Open, 5m		#16-643	S\$59.00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler ace2 GPIO cable, M8 6pin to Open, 10m		#16-642	S\$85.00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler ace2 ¼-20 Tripod Mount Adapter		#16-641	S\$31.00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Cable GigE Cat 6 SFTP 5m		#68-470	S\$14.00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Cable GigE Cat 6 SSTP 10m		#68-471	S\$24.00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Cable GigE Cat 6 SSTP 20m		#68-472	S\$41.00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Cable GigE Cat 6 SSTP 30m		#68-473	S\$55.00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
<a href="#">MORE+</a>	Power Over Ethernet (PoE) Single Port injector		#68-469	S\$92.00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler GigE Ethernet Card, 4 Ports for GigE Cameras		#75-221	S\$412.00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
<a href="#">MORE+</a>	GPIO & Power Cable for Basler ace cameras, open end, 5m		#75-223	S\$69.00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Basler AC Power Cord USA, 1.8m		#90-033 <b>NEW</b>	S\$11.00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>

## Related Products



Basler ace GigE Cameras



Basler ace USB 3.0 Cameras



Basler ace2 USB 3.0 Cameras



Basler PowerPack Microscopy Cameras

## Imaging Lens Selector

Imaging

- Factory Automation
- Telecentric
  - M12

Custom Sensor

Camera Model

Camera Model:



Number of Horizontal Pixels:

1 2840

Number of Vertical Pixels:

2 2840

Pixel Size (µm):

3 2.74

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



#58-430 - 1.0X SilverTL™  
Telecentric Lens  
S\$788.00

# 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 Electronics 101: Understandi...

**VIDEO**

How Do Cameras Work?

**PUBLISHED ARTICLE**

Advancements in Short Wave Infrared Sensors

[View More](#)