

Basler ace2 a2A2840-67g5mBAS Monochrome 5GigE Camera

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

1

A\$2,688^{.00}

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Basler ace2 GigE Cameras (Front)



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User Manual	User Manual
Software	EO Spec Sheet

Spectrum: Monochrome

General

Type: Monochrome Camera	Model Number: a2A2840-67g5mBAS
Manufacturer: Basler	Camera Series: ace2

Physical & Mechanical Properties

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

Sensor

Image Buffer: Not Specified	Sensor Format: 2/3"
Resolution (Megapixels): 8.00	Frame Rate (fps): 67.00
Pixels (H x V): 2,840 x 2,840	Pixel Size, H x V (µm): 2.74 x 2.74
Sensing Area, H x V (mm): 7.8 x 7.8	Imaging Sensor: Sony IMX546
Type of Sensor: Progressive Scan CMOS	Shutter Type: Global
Pixel Depth: 8/10/12 Bit	Exposure Time: Freely Programmable
Dynamic Range (dB): 70.0	Machine Vision Standard: GigE Vision V2, GenICam

Electrical

Power Consumption (W): 5.3	
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Hardware & Interface Connectivity

Interface:	5GigE	Connector:	5GigE, RJ45 with Screw Locks
Power Supply:	Power Supply Required and Sold Separately Powered via GPIO with #16-644	GPIOs:	1 opto-coupled input line, 2 general purpose I/O (GPIO) lines
Synchronization:	Hardware Trigger (GPIO), Software Trigger, or Free-Run	Interface Port Orientation:	Back Panel
GPIO Connector Type:	6-pin M8		

Threading & Mounting

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

Operating Temperature (°C):	-10 to +50	Storage Temperature (°C):	-20 to +80
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Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 235:	Compliant		

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
MORE+	Basler ace2 GigE Power Supply, M8 6pin		#16-644	A\$104.00 Request Quote	10 In Stock <input type="text" value="1"/>
MORE+	US Plug Power Supply Cable, 1.8m		#15-280	A\$19.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	EU Plug Power Supply Cable, 1.8m		#15-279	A\$19.00 Request Quote	3 In Stock <input type="text" value="1"/>
MORE+	Basler ace2 GPIO cable, M8 6pin to Open, 5m		#16-643	A\$67.00 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	Basler ace2 GPIO cable, M8 6pin to Open, 10m		#16-642	A\$98.00 Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	Basler ace2 ¼-20 Tripod Mount Adapter		#16-641	A\$35.00 Request Quote	20+ In Stock <input type="text" value="1"/>
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MORE+	Cable GigE Cat 6 SFTP 20m		#68-472	A\$46.00 Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	Cable GigE Cat 6 SFTP 30m		#68-473	A\$62.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	Power Over Ethernet (PoE) Single Port injector		#68-469	A\$106.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	Basler GigE Ethernet Card, 4 Ports for GigE Cameras		#75-221	A\$470.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	GPIO & Power Cable for Basler ace cameras, open end, 5m		#75-223	A\$78.00 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	Basler AC Power Cord USA, 1.8m		#90-033 NEW	A\$13.00 Request Quote	CONTACT US <input type="text" value="1"/>

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Basler ace GigE Cameras



Basler ace USB 3.0 Cameras



Basler ace2 USB 3.0 Cameras



Basler PowerPack Microscopy Cameras

Imaging Lens Selector



- 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
A\$900.00

Resources

Media Type

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- Video
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APPLICATION NOTE

Sensor Performance and Limitations

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PUBLISHED ARTICLE

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