

Basler ace acA2040-25gm Monochrome GigE Camera

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Basler ace GigE Cameras



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£1,784^{.00}

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Spec Sheets	User Manual
EO Spec Sheet	

Note: This item requires accessories for use | [Learn More](#)

Spectrum: Monochrome

General

Type: Monochrome Camera	Model Number: acA2040-25gm
Manufacturer: Basler	Camera Series: ace

Physical & Mechanical Properties

Dimensions (mm): 42 x 29 x 29 (excludes connectors and lens mount)	Weight (g): 90
Housing: Full	

Sensor

Sensor Format: 1"	Resolution (Megapixels): 4.20
Frame Rate (fps): 25.00	Pixels (H x V): 2,048 x 2,048
Pixel Size, H x V (µm): 5.5 x 5.5	Sensing Area, H x V (mm): 11.26 x 11.26
Imaging Sensor: CMOSIS CMV4000	Type of Sensor: Progressive Scan CMOS
Shutter Type: Global	Pixel Depth: 12 bit
Exposure Time: Freely Programmable	Dynamic Range (dB): 58.7
Machine Vision Standard: GigE Vision	

Electrical

Power Consumption (W): 2.6 (12VDC External Power Supply)
3.1 (PoE)

Hardware & Interface Connectivity

Interface: GigE (PoE)

Connector: GigE, RJ45 with Screw Locks

Power Supply: Power Supply Required and Sold Separately:
USA: [#68-466](#)
Europe: [#68-466](#)
Japan: [#68-466](#)
Korea: [#68-466](#)
China: [#68-466](#)

GPIOs: 1 opto-coupled input line, 1 opto-coupled output line, 1 general purpose I/O (GPIO) line

Synchronization: Hardware Trigger (GPIO), Software Trigger, or Free-Run

Interface Port Orientation: Back Panel

GPIO Connector Type: 6-pin Hirose (HR10)

Operating System: Software Driver: Windows, Linux - 32 and 64 bit

Threading & Mounting

Mount: C-Mount

Mounting Threads: ¼-20 with Tripod Mount Adapter [#88-517](#)

Environmental & Durability Factors

Operating Temperature (°C): 0 to +50

Storage Temperature (°C): -20 to +80

Regulatory Compliance

RoHS 2015: [Exempt](#)

Certificate of Conformance: [View](#)

Reach 253: [Contains SVHC\(s\)](#)

Product Details

- Perfect Analog Replacement
- Ultra-Small Form Factor
- Power Over Ethernet (PoE)
- Includes Basler Pylon Driver

Basler ace GigE Cameras are economical Gigabit Ethernet cameras that provide an ideal upgrade opportunity for analog camera users. With a small form factor matching that of many analog cameras (29 x 29mm), the ace can be a drop-in replacement to an existing analog system or a great choice to start a new project. Basler ace GigE Cameras can use Power Over Ethernet (PoE) (2 GigE cables required). The cameras can have long cable lengths and are the optimal choice for use on a factory floor. All cameras include the industry-proven Basler Pylon SDK Software and Driver.

Technical Information

MT9P031 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+	Power Supply 12V DC / Hirose 6 Pin		#68-466	£48.00 Request Quote	10 In Stock <input type="text" value="1"/>
MORE+	¼-20 Mounting Adapter for Basler ace		#88-517	£10.00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	PLC (Programmable Logic Controller) I/O Cable Hirose 6 Pin 10m		#68-467	£94.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	Power Over Ethernet (PoE) Single Port injector		#68-469	£53.00 Request Quote	2 In Stock <input type="text" value="1"/>
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MORE+	35mm Focal Length, HP Series Fixed Focal Length Lens		#86-573	£460.00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	50mm Focal Length, HP Series Fixed Focal Length Lens		#86-574	£540.00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	100mm C Series Fixed Focal Length Lens		#86-410	£344.00 Request Quote	CONTACT US <input type="text" value="1"/>

Related Products



#13-940 - Allied Vision Manta
G-419B Monochrome CMOS
PoE Camera
£1,664.00

Qty



#87-081 - Allied Vision Prosilica
GT2050 1" Monochrome
CMOS Camera
£2,248.00

Qty



#88-472 - Allied Vision Mako
G-419B 1" Monochrome
CMOS Camera
£1,584.00

Qty

Imaging Lens Selector

Imaging

Factory Automation
 Telecentric
 M12

Custom Sensor
 Camera Model
Camera Model:

Number of Horizontal Pixels:

Number of Vertical Pixels:

Pixel Size (µm):

Working Distance (mm):

Horizontal Field of View (mm):

Vertical Field of View (mm):

Frequently Purchased Together



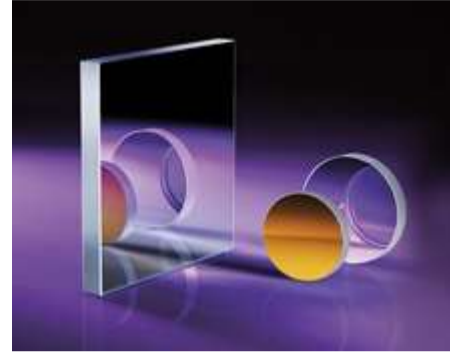
#33-988 - Basler ace acA1920-40gm Monochrome GigE Camera
£464.00

Qty



#43-025 - 2.5" x 2.5", 2.0" FL, Aspheric Fresnel Lens
£33.60

Qty



#30-875 - 16 x 23mm Protected Aluminum, λ/4 Mirror
£46.40

Qty



#32-589 - 2.3" x 2.3", 1.3" FL, Aspheric Fresnel Lens
£33.60

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

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VIDEO

How Do Cameras Work?

PUBLISHED ARTICLE

Advancements in Short Wave Infrared Sensors

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