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# Basler ace acA640-121gm Monochrome GigE Camera

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Basler ace GigE Cameras



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## Product Downloads

Monochrome	<b>Spectrum:</b>
<b>General</b>	
Monochrome Camera	<b>Type:</b>
acA640-121gm	<b>Model Number:</b>
	<b>Manufacturer:</b>

Basler

Camera Series:

ace

## Physical & Mechanical Properties

Dimensions (mm):

42 mm x 29 mm x 29 mm

Weight (g):

90

Housing:

Full

## Sensor

Sensor Format:

1/4"

Resolution (Megapixels):

0.30

Frame Rate (fps):

134.00

Pixels (H x V):

659 x 494

Pixel Size, H x V (µm):

5.6 x 5.6

Sensing Area, H x V (mm):

3.69 x 2.77

Imaging Sensor:

ICX618 Replacement

Type of Sensor:

Progressive Scan CMOS

Shutter Type:

Global

Pixel Depth:

10/12 bit

Exposure Time:

hardware trigger & freely programmable

Dynamic Range (dB):

74.6 dB

Machine Vision Standard:

GigE Vision, GenICam

## Electrical

Power Consumption (W):

3.1 W

## Hardware & Interface Connectivity

Interface:

GigE

Connector:

GigE, RJ45 with Screw Locks

Power Supply:

PoE or 12-24 VDC

GPIOs:

1 opto-coupled input line, 2 general purpose I/O (GPIO) lines

Synchronization:

Hardware Trigger (GPIO), Ethernet connection, or Free Run

Interface Port Orientation:

Back Panel

GPIO Connector Type:

M8 6-pin

## Threading & Mounting

Mount:

C-Mount

Mounting Threads:

1/4-20 with Tripod Mount Adapter [#88-517](#)

## Environmental & Durability Factors

Operating Temperature (°C):

0 °C - 50 °C

## Regulatory Compliance

Certificate of Conformance:

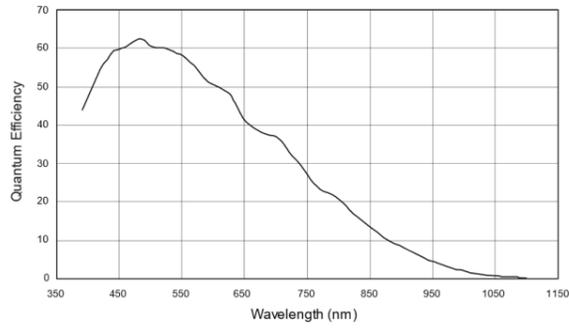
[View](#)

## 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

## Calibration Services