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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 **Spectrum:**

## General

Monochrome Camera **Type:**

acA640-121gm **Model Number:**

Basler **Manufacturer:**

ace **Camera Series:**

## Physical & Mechanical Properties

42 mm x 29 mm x 29 mm **Dimensions (mm):**

90 **Weight (g):**

Full **Housing:**

## Sensor

1/4" **Sensor Format:**

0.30 **Resolution (Megapixels):**

134.00 **Frame Rate (fps):**

659 x 494 **Pixels (H x V):**

5.6 x 5.6 **Pixel Size, H x V (µm):**

3.69 x 2.77 **Sensing Area, H x V (mm):**

ICX618 Replacement **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Global **Shutter Type:**

10/12 bit **Pixel Depth:**

hardware trigger & freely programmable **Exposure Time:**

74.6 dB **Dynamic Range (dB):**

GigE Vision, GenICam **Machine Vision Standard:**

## Electrical

3.1 W **Power Consumption (W):**

## Hardware & Interface Connectivity

GigE **Interface:**

GigE, RJ45 with Screw Locks **Connector:**

PoE or 12-24 VDC **Power Supply:**

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

Hardware Trigger (GPIO), Ethernet connection, or Free Run **Synchronization:**

Back Panel **Interface Port Orientation:**

M8 6-pin **GPIO Connector Type:**

## Threading & Mounting

C-Mount **Mount:**

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

## Environmental & Durability Factors

0 °C - 50 °C **Operating Temperature (°C):**

## Regulatory Compliance

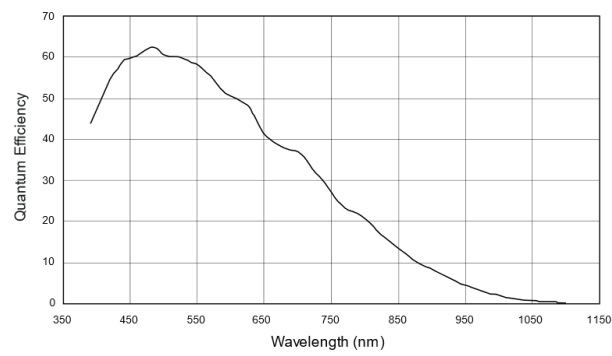
**Certificate of Conformance:**

## 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