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# Basler ace acA2040-25gm-NIR GigE Camera

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Basler ace GigE Cameras



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## Product Downloads

NIR **Spectrum:**

## General

NIR Camera **Type:**

acA2040-25gm **Model Number:**

Basler  
ace

**Manufacturer:**  
**Camera Series:**

## Physical & Mechanical Properties

42 x 29 x 29 (excludes connectors and lens mount)

**Dimensions (mm):**

90

**Weight (g):**

Full

**Housing:**

## Sensor

1"

**Sensor Format:**

4.20

**Resolution (Megapixels):**

25.00

**Frame Rate (fps):**

2,048 x 2,048

**Pixels (H x V):**

5.5 x 5.5

**Pixel Size, H x V (µm):**

11.26 x 11.26

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

CMOSIS CCM4000

**Imaging Sensor:**

Progressive Scan CMOS

**Type of Sensor:**

Global

**Shutter Type:**

12 bit

**Pixel Depth:**

Freely Programmable

**Exposure Time:**

Not Specified

**Dynamic Range (dB):**

GigE Vision

**Machine Vision Standard:**

## Electrical

2.6 (12VDC External Power Supply)  
3.1 (PoE)

**Power Consumption (W):**

## Hardware & Interface Connectivity

GigE (PoE)

**Interface:**

GigE, RJ45 with Screw Locks

**Connector:**

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

**Power Supply:**

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

**GPIOs:**

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

**Synchronization:**

Back Panel

**Interface Port Orientation:**

6-pin Hirose (HR10)

**GPIO Connector Type:**

Software Driver: Windows, Linux - 32 and 64 bit

**Operating System:**

## Threading & Mounting

C-Mount

**Mount:**

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

**Mounting Threads:**

## Environmental & Durability Factors

0 to +50 **Operating Temperature (°C):**

-20 to +80 **Storage Temperature (°C):**

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Compliant](#)

## 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