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# Basler ace acA3800-10gm Monochrome GigE Camera

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Basler ace GigE Cameras



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## Product Downloads

### General

acA3800-10gm **Model Number:**

Monochrome Camera **Type:**

**Camera Series:**

ace

**Manufacturer:**

Basler

## Physical & Mechanical Properties

**Dimensions (mm):**

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

**Weight (g):**

90

**Housing:**

Full

## Sensor

**Frame Rate (fps):**

10.0000000000

**Imaging Sensor:**

ON Semi MT9J003

**Pixel Size, H x V (µm):**

1.67 x 1.67

**Pixels (H x V):**

3,856 x 2,764

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

6.44 x 4.62

**Pixel Depth:**

12 bit

**Shutter Type:**

Rolling

**Type of Sensor:**

Progressive Scan CMOS

**Exposure Time:**

Freely Programmable

**Sensor Format:**

1/2.3"

**Dynamic Range (dB):**

54.0

**Resolution (Megapixels):**

10.6000000000

**Machine Vision Standard:**

GigE Vision

## Electrical

**Power Consumption (W):**

3.3 (12VDC External Power Supply)  
3.7 (PoE)

## Hardware & Interface Connectivity

**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](#)

**Synchronization:**

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

**Interface:**

GigE (PoE)

**Operating System:**

Software Driver: Windows, Linux - 32 and 64 bit

**Interface Port Orientation:**

Back Panel

**GPIOs:**

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

**GPIO Connector Type:**

6-pin Hirose (HR10)

## 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

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

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

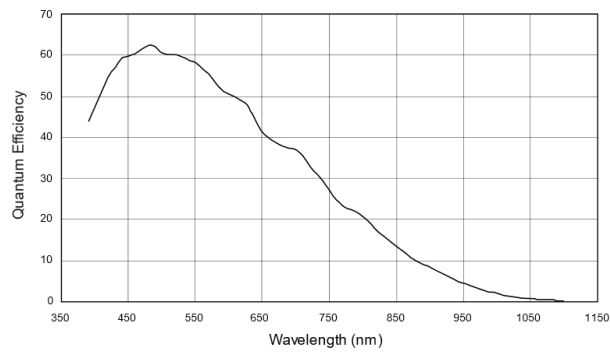
[Contains SVHC\(s\)](#) **Reach 253:**

## 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