

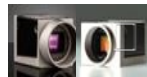
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Basler ace acA4112-8gm Monochrome GigE Camera

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Basler ace GigE Cameras



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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

acA4112-8gm **Model Number:**

Basler
ace

Manufacturer:
Camera Series:

Physical & Mechanical Properties

50 x 40 x 30 (excludes connectors and lens mount)

Dimensions (mm):

90

Weight (g):

Full

Housing:

Sensor

1.1"

Sensor Format:

12.00

Resolution (Megapixels):

8.00

Frame Rate (fps):

4,096 x 3,000

Pixels (H x V):

3.45 x 3.45

Pixel Size, H x V (µm):

14.13 x 10.35

Sensing Area, H x V (mm):

Sony IMX304

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/12 bit

Pixel Depth:

Programmable via camera API, hardware trigger

Exposure Time:

72.8

Dynamic Range (dB):

GigE Vision, GenICam

Machine Vision Standard:

Electrical

2.7 (12VDC External Power Supply)
3.2 (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:

Threading & Mounting

C-Mount

Mount:

¼-20 with Tripod Mount Adapter [#17-711](#)

Mounting Threads:

Environmental & Durability Factors

0 to +50

Operating Temperature (°C):

-20 to +80

Storage Temperature (°C):

Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Contains SVHC\(s\)](#)

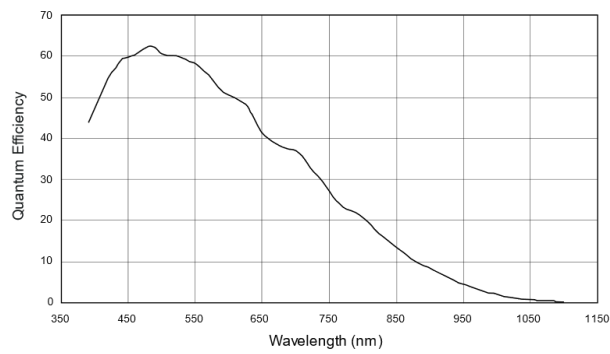
Reach 253:

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

Calibration Services