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## Basler Ace acA4112-20uc USB 3.0 Color Camera

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Basler ace USB 3.0 Cameras (Front)



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Color **Spectrum:**

### General

Color Camera **Type:**

acA4112-20uc **Model Number:**

Basler  
ace

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

## Physical & Mechanical Properties

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

**Dimensions (mm):**

80

**Weight (g):**

Full

**Housing:**

## Sensor

Not Specified

**Image Buffer:**

1.1"

**Sensor Format:**

12.00

**Resolution (Megapixels):**

23.00

**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:**

10/12 bit

**Pixel Depth:**

Programmable via camera API, hardware trigger

**Exposure Time:**

Not Specified

**Dynamic Range (dB):**

USB3 Vision v1.0

**Machine Vision Standard:**

## Electrical

3

**Power Consumption (W):**

## Hardware & Interface Connectivity

USB 3.0

**Interface:**

USB 3.0, Micro-B with Screw Locks

**Connector:**

Power over USB

**Power Supply:**

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

**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:**

1/4-20 with Tripod Mount Adapter [#12-611](#)

**Mounting Threads:**

## Environmental & Durability Factors

0 to +50

**Operating Temperature (°C):**

-20 to +80

**Storage Temperature (°C):**

## Regulatory Compliance

Compliant

RoHS 2015:

[View](#)

Certificate of Conformance:

Compliant

Reach 235:

Germany

Country of Origin:

Edmund Optics India Private Limited

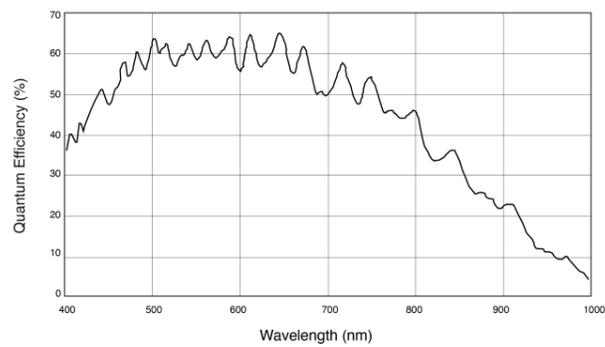
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## Product Details

- High Speed USB 3.0 Interface
- Ultra-Small Form Factor
- Fully USB3 Vision Compliant

Basler ace USB 3.0 Cameras are an ideal choice for analog camera users looking to upgrade to digital, or for FireWire or USB 2.0 users looking for faster data transfer rates. Basler ace USB 3.0 Cameras are fully USB3 Vision compliant and feature a small, 29 x 29mm form factor that makes them easy drop-in replacements for many analog, FireWire, or USB 2.0 cameras. Additionally, these USB 3.0 cameras feature screw-locking USB 3.0 ports for increased ruggedness in demanding applications, such as factory floor use. All cameras include the Basler Pylon SDK software and driver.

## Technical Information



MT9P031 Sensor QE Curve