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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:

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