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## Basler ace acA5472-17uc USB 3.0 Color Camera

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Basler ace USB 3.0 Cameras (Front)



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### Product Downloads

Color **Spectrum:**

### General

Color Camera **Type:**

**Model Number:**

**Manufacturer:**

Basler

**Camera Series:**

ace

## Physical & Mechanical Properties

**Dimensions (mm):**

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

**Weight (g):**

80

**Housing:**

Full

## Sensor

**Image Buffer:**

Not Specified

**Sensor Format:**

1"

**Resolution (Megapixels):**

20.00

**Frame Rate (fps):**

17.00

**Pixels (H x V):**

5,472 x 3,648

**Pixel Size, H x V (µm):**

2.4 x 2.4

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

13.13 x 8.76

**Imaging Sensor:**

Sony IMX183

**Type of Sensor:**

Progressive Scan CMOS

**Shutter Type:**

Rolling

**Pixel Depth:**

10/12 bit

**Exposure Time:**

Freely Programmable

**Dynamic Range (dB):**

Not Specified

**Machine Vision Standard:**

USB3 Vision v1.0

## Electrical

**Power Consumption (W):**

2.9

## Hardware & Interface Connectivity

**Interface:**

USB 3.0

**Connector:**

USB 3.0, Micro-B with Screw Locks

**Power Supply:**

Power over USB

**GPIOs:**

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

**Synchronization:**

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

**Interface Port Orientation:**

Back Panel

**GPIO Connector Type:**

6-pin Hirose (HR10)

**Operating System:**

Software Driver: Windows, Linux - 32 and 64 bit

## Threading & Mounting

**Mount:**

C-Mount

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

## Environmental & Durability Factors

Operating Temperature (°C):  
0 to +50

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

## Regulatory Compliance

Compliant **RoHS 2015:**

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

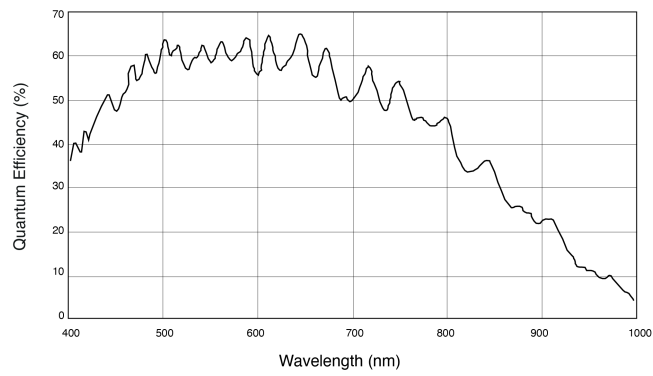
Compliant **Reach 235:**

## 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