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# Basler ace acA2500-14uc Color USB 3.0 Camera, CS Mount

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Basler ace USB 3.0 Cameras (Front)



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Color	
	<b>Spectrum:</b>
General	
	<b>Type:</b>
Color Camera	
	<b>Model Number:</b>
acA2500-14uc	

Basler **Manufacturer:**

ace **Camera Series:**

## Physical & Mechanical Properties

29.3 mm x 29 mm x 29mm **Dimensions (mm):**

80 **Weight (g):**

Full **Housing:**

## Sensor

1/2.5" **Sensor Format:**

5.00 **Resolution (Megapixels):**

14.00 **Frame Rate (fps):**

2,590 x 1,942 **Pixels (H x V):**

2.2 x 2.2 **Pixel Size, H x V (µm):**

5.7 x 4.28 **Sensing Area, H x V (mm):**

MT9P031 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Rolling **Shutter Type:**

12 bit **Pixel Depth:**

hardware trigger & freely programmable **Exposure Time:**

60 dB **Dynamic Range (dB):**

USB 3.0 Vision, GenICam **Machine Vision Standard:**

## Electrical

2.2 **Power Consumption (W):**

## Hardware & Interface Connectivity

USB 3.0 **Interface:**

USB, RJ45 with Screw Locks **Connector:**

Via USB 3.0 interface **Power Supply:**

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

Hardware Trigger (GPIO), Ethernet connection, or Free Run **Synchronization:**

Back Panel **Interface Port Orientation:**

M8 6-pin **GPIO Connector Type:**

## Threading & Mounting

CS-Mbunt **Mount:**

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

## Environmental & Durability Factors

0 °C - 50 °C **Operating Temperature (°C):**

## Regulatory Compliance

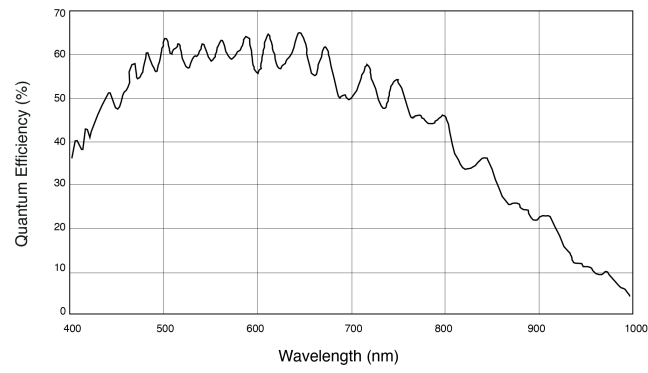
**Certificate of Conformance:**

## 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