

Basler Ace acA4024-29um USB 3.0 Monochrome Camera

A close-up, high-contrast photograph of a mechanical component, likely a valve or actuator. The component is dark, possibly black or dark grey, with a prominent circular opening on the right side. Inside this opening, a bright red, textured surface is visible, which appears to be a seal or a lining. The lighting is dramatic, highlighting the metallic textures and the vibrant red color. The background is dark and out of focus.

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Monochrome

General

Monochrome Camera

acA4024-29um

Basler	Manufacturer:
ace	Camera Series:
Physical & Mechanical Properties	
29.3 x 29 x 29 (excludes connectors and lens mount)	Dimensions (mm):
80	Weight (g):
Full	Housing:
Sensor	
Not Specified	Image Buffer:
1/1.7"	Sensor Format:
12.00	Resolution (Megapixels):
31.00	Frame Rate (fps):
4,024 x 3,036	Pixels (H x V):
1.85 x 1.85	Pixel Size, H x V (µm):
7.44 x 5.62	Sensing Area, H x V (mm):
Sony IMX226	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:
10/12 bit	Pixel Depth:
Programmable via camera API	Exposure Time:
70.3	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 #88-517	Mounting Threads:
Environmental & Durability Factors	
0 to +50	Operating Temperature (°C):
-20 to +80	Storage Temperature (°C):

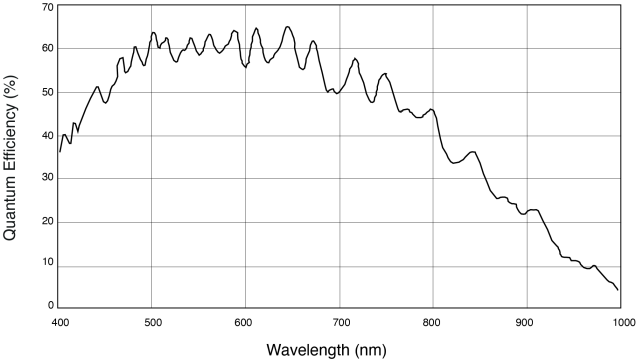
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:
Germany	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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