

Basler ace acA2040-120um Monochrome USB 3.0 Camera

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Basler ace USB 3.0 Cameras (Front)



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€1.010⁰⁰

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SPECIFICATIONS

General

Type:

Monochrome Camera	
acA2040-120um	Model Number:
Basler	Manufacturer:
ace	Camera Series:

Monochrome	Spectrum:
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Physical & Mechanical Properties

29.3 x 29 x 29 (excludes connectors and lens mount)	Dimensions (mm):
80	Weight (g):

Full	Housing:
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Sensor

Not Specified	Image Buffer:
1/1.8"	Sensor Format:

3.00	Resolution (Megapixels):
120.00	Frame Rate (fps):

2,048 x 1,536	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):

7.07 x 5.3	Sensing Area, H x V (mm):
Sony IMX252	Imaging Sensor:

Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:

10/12 bit	Pixel Depth:
Programmable via camera API, hardware trigger	Exposure Time:

73.4	Dynamic Range (dB):
USB3 Vision v1.0	Machine Vision Standard:

Electrical

3.1	Power Consumption (W):
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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:
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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:

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

