Basler ace acA1920-40uc Color USB 3.0 Camera

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Basler ace USB 3.0 Cameras (Front)

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SPECIFICATIONS

Spectrum:
Color

General

Type:
Color Camera

Model Number:
acA1920-40uc

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:
1/1.2"

Resolution (Megapixels):
2.30

Frame Rate (fps):
41.00

Pixels (H x V):
1,920 x 1,200

Pixel Size, H x V (µm):
5.86 x 5.86

Sensing Area, H x V (mm):
11.25 x 7.03

Imaging Sensor:
Sony IMX249

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

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):
2.5

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) or Free-Run

Interface Port Orientation:
Back Panel

GPIO Connector Type:
6-pin Hirose (HR10)

Operating System:
Software Driver: Windows 32 and 64 bit, Linux, OS X

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter #88-517

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-20 to +80

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

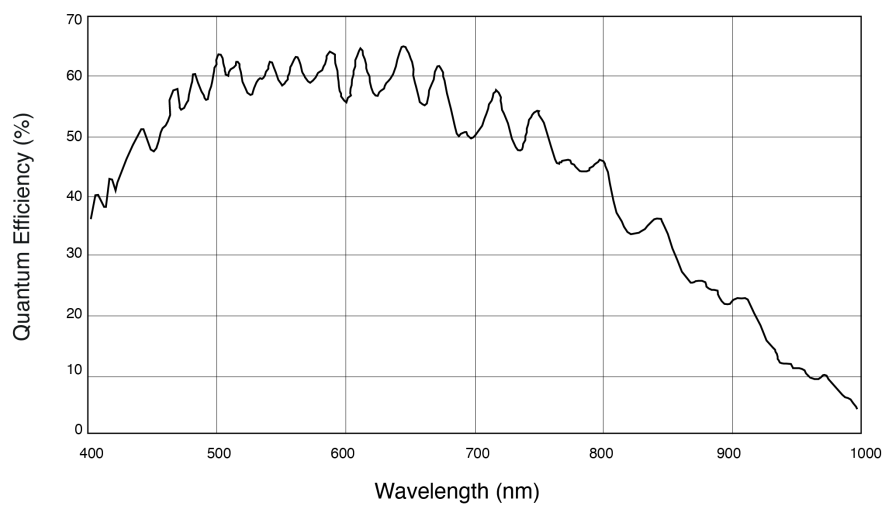
Reach 235:
Compliant

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