Basler ace acA2440-75um Monochrome USB 3.0 Camera

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Basler ace USB 3.0 Cameras (Front)

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Spectrum:

Monochrome

General

Type:

Monochrome Camera

Model Number:

acA2440-75um

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:	
2/3"	
Resolution (Megapixels):	
5.00	
Frame Rate (fps):	
75.00	
Pixels (H x V):	
2,448 x 2,048	
Pixel Size, H x V (µm):	
3.45 x 3.45	
Sensing Area, H x V (mm):	
8.45 x 7.07	
Imaging Sensor:	
Sony IMX250	
Type of Sensor:	
Progressive Scan CMOS	
Shutter Type:	
Global	
Pixel Depth:	
10/12 bit	
Exposure Time:	
Programmable via camera API, hardware trigger	
Dynamic Range (dB):	
73.1	
Machine Vision Standard:	
USB3 Vision v1.0	

Electrical

Power Consumption (W):	
3.2	

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)	

Threading & Mounting

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

Environmental & Durability Factors

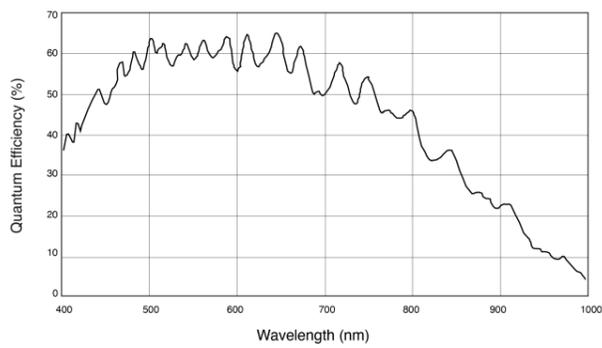|	
Operating Temperature (°C):	
0 to +50	
Storage Temperature (°C):	
-20 to +80	

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

Calibration Services

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