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Basler ace2 a2A3536-31ucBAS Color USB3 Basic Camera

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Basler ace2 USB 3.0 Cameras (Front)

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Spectrum:
Color

General

Type:
Color Camera

Model Number:
a2A3536-31ucBAS

Manufacturer:

Basler

Camera Series:
ace2

Physical & Mechanical Properties

Dimensions (mm):
42.8 mm X 29 mm X 29 mm

Weight (g):
85

Housing:
Full

Sensor

Sensor Format:
1/1.6"

Resolution (Megapixels):
12.50

Frame Rate (fps):
31.00

Pixels (H x V):
3,536 x 3,536

Pixel Size, H x V (µm):
2 x 2

Sensing Area, H x V (mm):
7.1 x 7.1

Imaging Sensor:
Sony IMX676

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
10/12 bit

Exposure Time:
hardware trigger & freely programmable

Machine Vision Standard:
USB 3.0 Vision, GenICam

Electrical

Power Consumption (W):
3.1

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB 3.0, Micro-B

Power Supply:
Via USB 3.0 interface

GPIOs:
1 opto-coupled input 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:
M8 6-pin

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter #16-641

Environmental & Durability Factors

Operating Temperature (°C):
-10 °C - 60 °C

Regulatory Compliance

Certificate of Conformance:
View

Country of Origin:
Germany

Imported By:

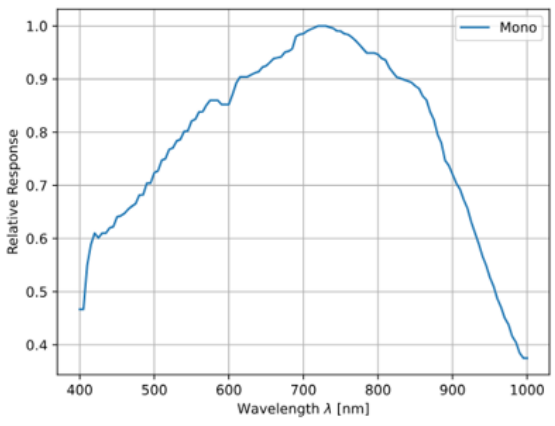
Edmund Optics India Private Limited

Product Details

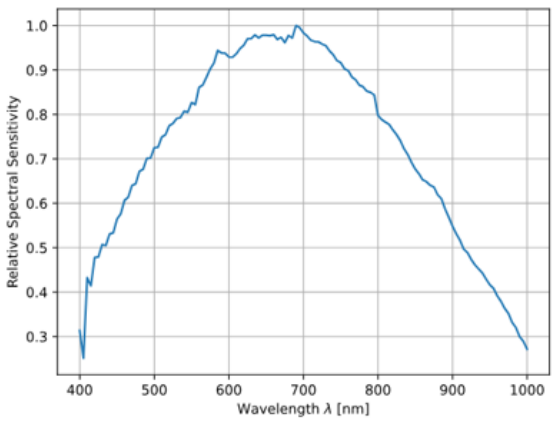
- USB 3.0 with SONY Pregius S Sensors up to 24MP and 160 fps
- Proven Compact Housing (29 x 29mm)
- Powerful Computer Vision Feature Set with Optional Beyond Features
- **Basler ace USB 3.0 Cameras** Also Available

Basler ace2 USB 3.0 Cameras are available in two versions that provide optimized hardware design, proven compact and robust housing, and state of the art CMOS sensor technology with excellent image quality from Sony's 2nd-Gen Pregius, 3rd-Gen STARVIS, or the latest 4th-Gen Pregius S sensors. These second-generation Ace cameras include all of the components of the first-generation Ace cameras along with integrated features such as a status LED, removable IR cut filter, and robust M8 connector. The Basler ace2 USB 3.0 Camera Basic version offers excellent price to performance ratio with powerful Computer Vision feature set, while the Pro version unlocks unique advanced Beyond features such as Pixel Beyond and Compression Beyond for maximum performance to meet with demanding application requirements. These cameras include the industry proven Basler Pylon SDK Software and Driver and conform to GenICam (USB3 Vision) standards, making them a fast and cost-effective solution to software integration. Basler ace2 Cameras are available in both USB 3.0 and GigE interfaces and are ideal for a wide range of applications such as factory automation and industrial robotics.

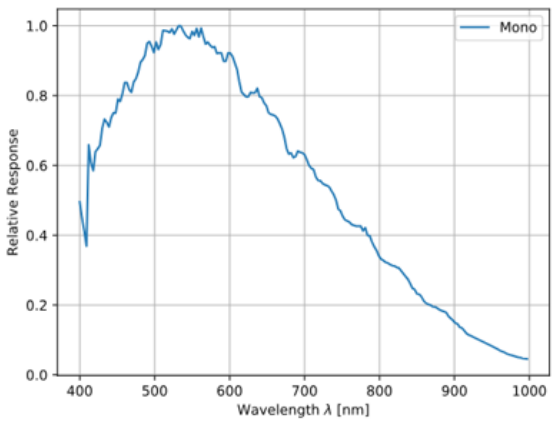
Technical Information



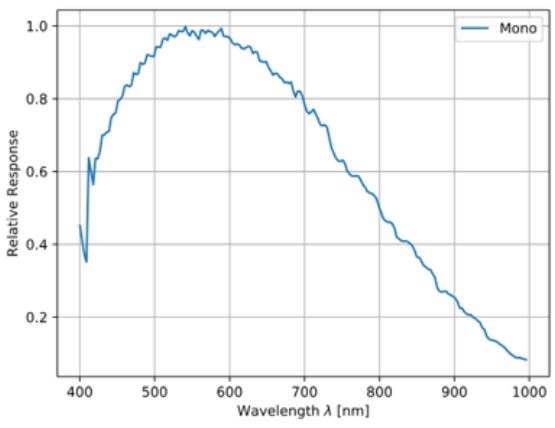
IMX676 Sensor QE Curve



IMX900 Sensor QE Curve



GMAX2505 Sensor QE Curve



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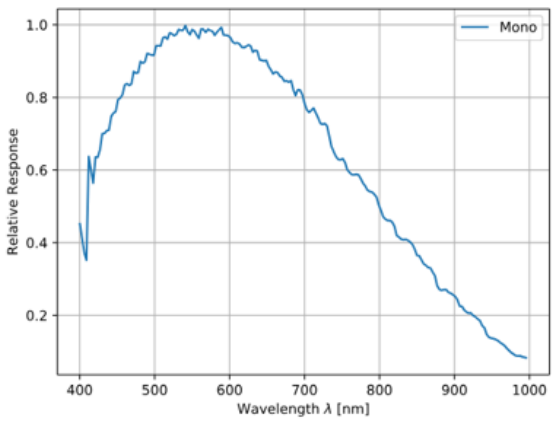
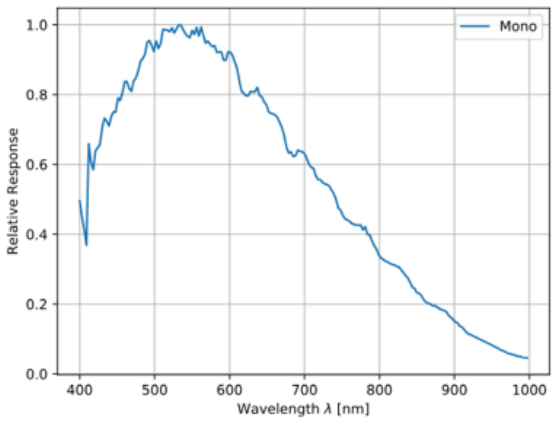


IMX545 Sensor QE Curve

GMAX2509 Sensor QE Curve



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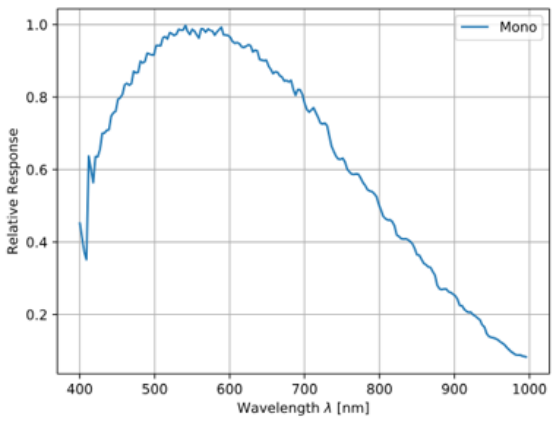

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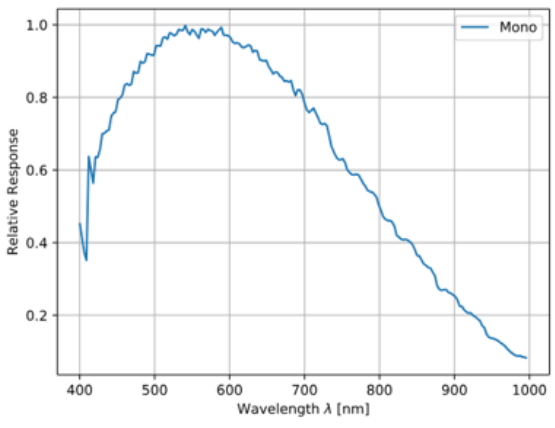

E2525A Sensor QE Curve

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