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Basler ace2 a2A4504-18ucPRO Color USB3 Pro Camera

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Basler ace2 USB 3.0 Cameras (Front)



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- 1 + MRP ₹2,58,066

i Price inclusive of all taxes

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Color **Spectrum:**

General

Color Camera **Type:**

a2A4504-18ucPRO **Model Number:**

Basler
ace2

Manufacturer:
Camera Series:

Physical & Mechanical Properties

36.3 x 29 x 29 (excludes connectors and lens mount)

Dimensions (mm):

<90

Weight (g):

Full

Housing:

Sensor

Not Specified

Image Buffer:

1.1"

Sensor Format:

20.20

Resolution (Megapixels):

18.00

Frame Rate (fps):

4,504 x 4,504

Pixels (H x V):

2.74 x 2.74

Pixel Size, H x V (µm):

12.3 x 12.3

Sensing Area, H x V (mm):

Sony IMX541

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/10/12 Bit

Pixel Depth:

Freely Programmable

Exposure Time:

70.8

Dynamic Range (dB):

USB3 Vision v1.0, GenICam

Machine Vision Standard:

Electrical

4.4

Power Consumption (W):

Hardware & Interface Connectivity

USB 3.0

Interface:

USB 3.0, Micro-B

Connector:

Power over USB

Power Supply:

1 opto-coupled input 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 M8

GPIO Connector Type:

Threading & Mounting

C-Mount

Mount:

1/4-20 with Tripod Mount Adapter [#16-641](#)

Mounting Threads:

Environmental & Durability Factors

-10 to +60

Operating Temperature (°C):

-20 to +80

Storage Temperature (°C):

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

Country of Origin:

Germany

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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 MB 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.

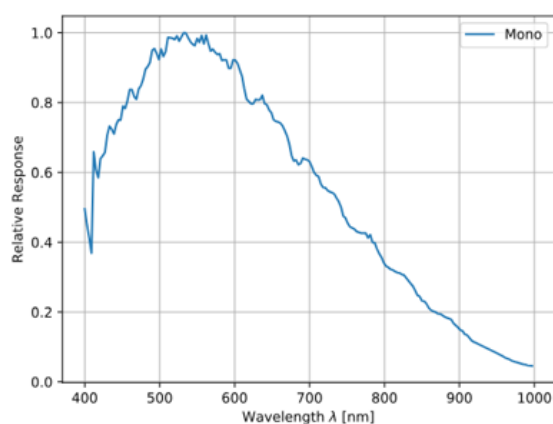
Technical Information



IMX676 Sensor QE Curve



IMX900 Sensor QE Curve



GMAX2505 Sensor QE Curve



IMX546 Sensor QE Curve



IMX545 Sensor QE Curve



GMAX2509 Sensor QE Curve



GMAX2518 Sensor QE Curve



IMX547 Sensor QE Curve



E2525A Sensor QE Curve

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