

BASLER ACE 2 5GIGE GIGE AND USB CAMERAS

Ace 2

A2A4504-5GMBAS

Ace 2 Basic GigE Camera, IMX541, 1.1", 5 fps, CMOS, Mono



- Resolution: up to 24.4 MP and 5GigE, GigE and USB3.0 interfaces
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- IMX sensor
- LED Status
- Robust M8 contact

PRODUCT DESCRIPTION

Basler Ace 2 series cameras include 2 product lines tailored to different vision needs, Ace 2 Basic and Ace 2 Pro. Both include GigE and USB3.0 variations, resolutions from 2.3MP to 24MP and up to 168fps with Compression Beyond or 160fps standard. The Ace 2 Basic and Pro cameras still have unbeatable price/performance ratio, featuring optimised hardware, state of the art CMOS sensor technology from Sony and fast, cost-effective software integration.

The cameras in the Basic series are designed to meet the standard requirements of machine vision systems in terms of functionality and economy, while maintaining the familiar reliability of Basler products.

The Pro Series cameras are suitable for applications where the camera requires more demanding tasks and maximum performance with the new Compression Beyond and Pixel Beyond and PGI features.

Compression Beyond allows you to compress image data directly from the camera's FPGA in real time without affecting image quality. The desired data can also be stored in full resolution in compressed form while saving storage space in the system.

With the Pixel Beyond feature, you can change the pixel size of the image and thus affect important cell characteristics such as resolution and signal-to-noise ratio (SNR). In this way, other cell models can be easily simulated, for example, redesign can be facilitated without having to reconfigure the entire imaging system.

TECHNICAL DATA

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|----------------|--|
| Approvals | CE, FCC, GenICam, EAC, RoHS, UL, GigE Vision |
| Digital inputs | 1 |
| Frame rate max | 5 fps |
| Height | 29 mm |
| Interface | GigE |
| IP class | IP30 |
| Length | 55.5 mm |
| Lens Barrel | C-Mount |
| Mono/color | Mono |

| | |
|-----------------------|----------------|
| Operating temperature | -10°C ... 60°C |
| Pixel Beyond | No |
| Pixel size | 2.74 x 2.74 |
| Power consumption | 3.5 W |
| Resolution | 20.2MP |
| Resolution max | 4504 x 4504 px |
| Sensor model | IMX541 |
| Sensor size | 1.1" |
| Sensor supplier | Sony |
| Sensor Type | CMOS |
| Shutter type | Global |
| Weight | 100 g |
| Width | 29 mm |

