BASLER ACE 2 BASIC & PRO CAMERAS

5GigE, GigE & USB3.0

A2A2448-23GCPRO
Ace 2 Pro GigE Camera, IMX547 1/1.8" CMOS, Colour

- Up to 24.4MP resolutions
- 5GigE, GigE and USB3.0 interfaces
- 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.

Specifications

Approvals	CE, EAC, FCC, GigE Vision, RoHS, UL
Digital Inputs	1
FPGA	Yes
Frame Rate Max	23
Height	29
IP Class	IP30
Length	55.5
Lens Barrel	C-Mount
Mono/Color	Color
Operating temperature	0°C … 50°C
Pixel Beyond	Yes
Pixel size	2.74 x 2.74

Power Consumption	3.3
Resolution	5MP
Resolution Max	2448 x 2048 px
Sensor model	IMX547
Sensor size	1/1.8"
Sensor supplier	Sony
Sensor type	CMOS
Shutter type	Global
Weight	100
Width	29