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BASLER ACE 2 5GIGE, GIGE AND USB CAMERAS

Ace 2

A2A4508-20UMPRO
Ace 2 Pro USB 3.0 Camera, GMAX2518, 1", 20 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

3612_Pixel size (µm)	2.5 x 2.5
Approvals	CE, FCC, GenICam, USB3 Vision, EAC, RoHS, UL
Digital inputs	1
Frame rate max	20 fps
Height	29 mm
Interface	USB 3.0
IP class	IP30
Length	428 mm
Lens Barrel	C-Mount

Mono/color	Mono
Operating temperature	-10°C … 60°C
Pixel Beyond	No
Power consumption	39 W
Resolution max	4508 x 4096 px
Sensor model	GMAX2518
Sensor size	1"
Sensor supplier	Sony
Sensor Type	CMOS
Shutter type	Global
Weight	85 g
Width	29 mm