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# BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

## Ace Classic, Ace U and Ace L

ACA1300-22GC/CS
Ace GigE Camera, ICX445 1/3" CCD, 22fps, Colour, CS-Mount




- Resolution: VGA to 20 MP and frame rate: up to 751 fps
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- CMOS Sensors with NIR function
- Camera Link with PoCL
- Very small housing

### PRODUCT DESCRIPTION

Basler Ace Cameras, launched in 2009, are the smallest GigE camera on the market, also available with USB3.0 and Camera Link interface. With a small housing of only 29 x 29mm, the ace is suitable for a large range of vision applications, even where space is limited. There are over 130 models in the Ace range, split is Ace Classic, Ace U and Ace L. All featuring a range of resolutions from VGA to 20mp, speeds of up to 751 fps and sensors from a range of suppliers

Ace Classic model cameras have an excellent price/performance ratio and also feature a range of comprehensive sensors, including, CMOS from CMOSIS, e2V, ON Semiconductor (MT series) and CCD from Sony. The Ace classic range is available in GigE, USB3.0 and CameraLink.

Ace U cameras have the same compact footprint of the Ace Classic range (29 x 29mm), with the addition of unique PGI feature set from Basler and new CMOS sensors, in GigE and USB3.0 interfaces.

Ace L cameras feature the same additional firmware as Ace U but with high resolution 9 and 12mp Sony Pregius CMOS sensors, and optical formats above 1”, to accommodate these larger sensors the Ace L is slightly larger with a footprint of 40mm x 30mm. With frame rates up to 40fps, the Ace L is available in GigE and USB3.0.

# TECHNICAL DATA

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|---|---|
| **Sensor model** | ICX445 |
| **Resolution max** | 1294 x 964 px |

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|---|---|
| **Frame rate max** | 22 fps |
| **Mono/color** | Color |
| **Shutter type** | Global |
| **Interface** | GigE |
| **3612_Pixel size (µm)** | 3.75 x 3.75 |
| **Sensor size** | 1/3" |
| **Digital outputs** | 1 |
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| **Approvals** | CE, FCC, GenICam, GigE Vision, RoHS, UL, EAC |
| **IP class** | IP30 |
| **Sensor supplier** | Sony |
| **Sensor Type** | CCD |
| **Lens barrel** | CS-mount |
| **Weight** | 90 g |
| **Length** | 42 mm |
| **Width** | 29 mm |
| **Height** | 29 mm |
| **Power consumption** | 2.2 W |
| **Operating temperature** | 0°C … 50°C |

