

BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA1920-40UC
CAM USB3 C 1920*1080 F BAS IMX249



- VGA to 20 Mpxels
- Frame Rate up to 340 fps
- 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.

SPECIFICATIONS

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|------------------------|--|
| Sensor model | IMX249 |
| Resolution | 2.3MP |
| Resolution Max | 1920 x 1200 px |
| Frame Rate Max | 41 fps |
| Mono/Color | Color |
| Shutter type | Global |
| Pixel size | 5.86 x 5.86 |
| Sensor size | 1/1.2" |
| Digital Outputs | 1 |
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| Approvals | CE, FCC, GenICam, RoHS, UL, EAC, USB3 Vision |
| IP Class | IP30 |

| | |
|------------------------------|--------------|
| Sensor supplier | Sony |
| Sensor type | CMOS |
| Lens Barrel | C-mount |
| Weight | 80 g |
| Length | 29.3 mm |
| Width | 29 mm |
| Height | 29 mm |
| Power Consumption | 2.7 W |
| Operating temperature | 0°C ... 50°C |

