

BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA1440-220UC

Ace U USB3.0 Camera, IMX273 1/2.9" CMOS, 227fps,
Colour, C-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

| | |
|----------------|--|
| Approvals | CE, FCC, GenICam, RoHS, UL, EAC, USB3 Vision |
| Digital inputs | 1 |

| | |
|-----------------------|----------------|
| Digital outputs | 1 |
| Frame rate max | 227 fps |
| Height | 29 mm |
| Interface | USB3.0 |
| IP class | IP30 |
| Length | 29.3 mm |
| Lens barrel | C-mount |
| Mono/color | Color |
| Operating temperature | 0°C ... 50°C |
| Pixel size | 3.45 x 3.45 |
| Power consumption | 3.3 W |
| Resolution | 1.6MP |
| Resolution max | 1440 x 1080 px |
| Sensor model | IMX273 |
| Sensor size | 1/2.9" |
| Sensor supplier | Sony |
| Sensor Type | CMOS |
| Shutter type | Global |
| Weight | 80 g |
| Width | 29 mm |

