

## BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA1600-60GM  
Ace GigE Camera, EV76C570 1/1.8" CMOS, 60fps,  
Mono, C-Mount



- VGA to 20 Mpixels
- Frame Rate up to 751 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

|                              |  |
|------------------------------|--|
| <b>Approvals</b>             | CE, FCC, GenICam, GigE Vision, RoHS, UL, EAC |
| <b>Digital Inputs</b>        | 1  |
| <b>Digital Outputs</b>       | 1  |
| <b>Frame Rate Max</b>        | 60   |
| <b>Height</b>                | 29   |
| <b>Interface</b>             | GigE   |
| <b>IP Class</b>              | IP30   |
| <b>Length</b>                | 42   |
| <b>Lens Barrel</b>           | C-mount                                      |
| <b>Mono/Color</b>            | Mono   |
| <b>Operating temperature</b> | 0°C ... 50°C                                 |

|                   |                 |
|-------------------|-----------------|
| Pixel size        | 4.5 x 4.5       |
| Power Consumption | 2.1             |
| Resolution        | 2MP             |
| Resolution Max    | 1602 x 1202 px  |
| Sensor model      | EV76C570        |
| Sensor size       | 1/1.8"          |
| Sensor supplier   | e2v             |
| Sensor type       | CMOS            |
| Shutter type      | Global, Rolling |
| Weight            | 90              |
| Width             | 29              |

