

## BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA4096-40UC

Ace L USB3.0 Camera, IMX255 1" CMOS, 42fps, Colour, C-Mount



- VGA to 20 Mpixels
- 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

|                        |  |
|------------------------|--|
| <b>Sensor model</b>    | IMX255                                       |
| <b>Resolution</b>      | 9MP  |
| <b>Resolution Max</b>  | 4096 x 2168 px                               |
| <b>Frame Rate Max</b>  | 42 fps                                       |
| <b>Mono/Color</b>      | Color  |
| <b>Shutter type</b>    | Global                                       |
| <b>Pixel size</b>      | 3.45 x 3.45                                  |
| <b>Sensor size</b>     | 1"   |
| <b>Digital Outputs</b> | 1  |
| <b>Digital Inputs</b>  | 1  |
| <b>Approvals</b>       | CE, FCC, GenICam, RoHS, UL, EAC, USB3 Vision |
| <b>IP Class</b>        | IP30   |

|                              |              |
|------------------------------|--------------|
| <b>Sensor supplier</b>       | Sony         |
| <b>Sensor type</b>           | CMOS         |
| <b>Lens Barrel</b>           | C-mount      |
| <b>Weight</b>                | 80 g         |
| <b>Length</b>                | 35.8 mm      |
| <b>Width</b>                 | 40 mm        |
| <b>Height</b>                | 30 mm        |
| <b>Power Consumption</b>     | 3.8 W        |
| <b>Operating temperature</b> | 0°C ... 50°C |

