

## BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA3800-14UC  
Ace USB3.0 Camera, MT9J003 1/2.3" CMOS, 14fps,  
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        | 14 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            | 1.67 x 1.67      |
| Power consumption     | 2.8 W            |
| Resolution            | 10MP             |
| Resolution max        | 3840 x 2748 px   |
| Sensor model          | MT9J003          |
| Sensor size           | 1/2.3"           |
| Sensor supplier       | ON Semiconductor |
| Sensor Type           | CMOS             |
| Shutter type          | Rolling          |
| Weight                | 80 g             |
| Width                 | 29 mm            |

