

## BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA640-90UC

Ace USB3.0 Camera, ICX424 1/3" CCD, 90fps, 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

<b>Digital outputs</b>	1
<b>Frame rate max</b>	90 fps
<b>Height</b>	29 mm
<b>Interface</b>	USB3.0
<b>IP class</b>	IP30
<b>Length</b>	29.3 mm
<b>Lens barrel</b>	C-mount
<b>Mono/color</b>	Color
<b>Operating temperature</b>	0°C ... 50°C
<b>Pixel size</b>	7.4 x 7.4
<b>Power consumption</b>	2.7 W
<b>Resolution</b>	VGA
<b>Resolution max</b>	658 x 492 px
<b>Sensor model</b>	ICX424
<b>Sensor size</b>	1/3"
<b>Sensor supplier</b>	Sony
<b>Sensor Type</b>	CCD
<b>Shutter type</b>	Global
<b>Weight</b>	80 g
<b>Width</b>	29 mm

