

## BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA640-750UM  
Ace U USB3.0 Camera, Python300 1/4" CMOS, 751fps,  
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, RoHS, UL, EAC, USB3 Vision
<b>Digital Inputs</b>	1
<b>Digital Outputs</b>	1
<b>Frame Rate Max</b>	751
<b>Height</b>	29
<b>Interface</b>	USB3.0
<b>IP Class</b>	IP30
<b>Length</b>	29.3
<b>Lens Barrel</b>	C-mount
<b>Mono/Color</b>	Mono
<b>Operating temperature</b>	0°C ... 50°C
<b>Pixel size</b>	4.8 x 4.8

Power Consumption	3
Resolution	VGA
Resolution Max	640 x 480 px
Sensor model	PYTHON 300
Sensor size	1/4"
Sensor supplier	ON Semiconductor
Sensor type	CMOS
Shutter type	Global
Weight	80
Width	29

