

BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA2040-180KC

Ace CameraLink, CMV4000 1" CMOS, 180fps, 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, EAC
Frame rate max	180 fps

Height	29 mm
Interface	Camera Link
IP class	IP30
Length	43.5 mm
Lens barrel	C-mount
Mono/color	Color
Operating temperature	0°C ... 50°C
Pixel size	5.5 x 5.5
Power consumption	3 W
Resolution	4MP
Resolution max	2046 x 2046 px
Sensor model	CMV4000
Sensor size	1"
Sensor supplier	ams
Sensor Type	CMOS
Shutter type	Global
Weight	100 g
Width	29 mm

