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BASLER ACE GIGE USB3.0 AND CAMERALINK CAMERAS

Ace Classic, Ace U and Ace L

ACA640-300GM
Ace U GigE Camera, Python300 1/4" CMOS, 340fps, Mono, 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

Sensor model	PYTHON 300
Resolution max	640 x 480 px

Frame rate max	340 fps
Mono/color	Mono
Shutter type	Global
Interface	GigE
3612_Pixel size (µm)	4.8 x 4.8
Sensor size	1/4"
Digital outputs	1
Digital inputs	1
Approvals	CE, FCC, GenICam, GigE Vision, RoHS, UL, EAC
IP class	IP30
Sensor supplier	ON Semiconductor
Sensor Type	CMOS
Lens barrel	C-mount
Weight	90 g
Length	42 mm
Width	29 mm
Height	29 mm
Power consumption	3.5 W
Operating temperature	0°C … 50°C

