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BASLER DART USB3.0 CAMERAS

Extremely Small USB Camera

DAA3840-45UC/S
Basler Dart- USB 3.0 Interface, IMX334, 1/1.8", CMOS, 45 fps, Colour, S-Mount



- Resolution: up to 8.3 MP and frame rate: up to 523 fps
- Supported by Pylon Suite software and open-source SDKs for easy image acquisition and fast application development
- Small, Flexible and Lightweight
- USB3.0 Vision Compatible
- S-, CS-mount or board level

PRODUCT DESCRIPTION

The Basler Dart USB range of camera models are available in 3 variants, bare board, S-Mount and CS-Mount, this flexible mounting concept allows for a variety of lenses to be used. The series has the smallest footprint in single board cameras of only 27 x 27mm, S- and CS-Mount only increases the size by 2mm, meaning it is 29 x 29mm.
The Dart camera can be easily integrated into a vision system due to its small size and weight, additionally the USB3.0 interface provides plug & play functionality, secure data transfer and simple integration.

Basler dart board level cameras combine modern USB 3.0 camera technology, a highly cost-optimized design and Basler's proven quality and reliability. They are among the few board level cameras at present that comply with the USB3 Vision Standard.

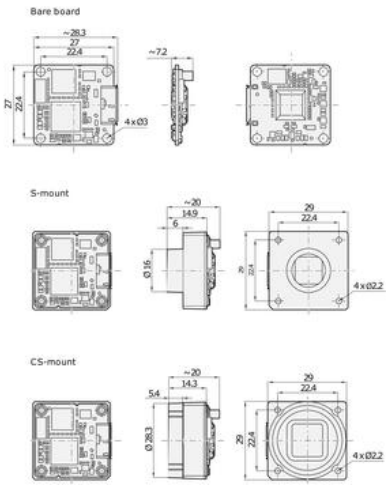
Basler have extended the Dart portfolio to include new models with Sony IMX392 and IMX334, these powerful sensors and integrated PGI features ensures high quality images. Both sensor models are available as bare board, S-Mount and CS-Mount.

TECHNICAL DATA

Sensor model	IMX334
Resolution max	3840 x 2160 px
Frame rate max	45 fps
Mono/color	Color
Shutter type	Rolling
Interface	USB 3.0
3612_Pixel size (µm)	2 x 2
Sensor size	1/1.8"
Digital outputs	2
Digital inputs	1
Approvals	CE, GenICam, RoHS, UL, USB3 Vision, FCC, EAC
Sensor supplier	Sony

Sensor Type	CMOS
Lens barrel	S-mount
Weight	15 g
Length	19.9 mm
Width	29.3 mm
Height	29 mm
Power consumption	2 W
Operating temperature	0°C … 50°C

Dimensions (in mm)



Dimensions (in mm)

