

daA1600-60lc - Basler dart

The Basler daA1600-60lc BCON camera with the e2V EV76C570 CMOS sensor delivers 60 frames per second at 2 MP resolution.



Number

1

+
-

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Specifications

General Information

Order Number	No-Mount: 107113, CS-Mount: 107114, S-Mount: 107115
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Sensor

Sensor Vendor	e2v
Sensor	EV76C570
Shutter	Global Shutter
Max. Image Circle	1/1.8"
Sensor Type	CMOS
Sensor Size	7.2 mm x 5.4 mm
Resolution (HxV)	1600 px x 1200 px
Resolution	2 MP
Pixel Size (H x V)	4.5 µm x 4.5 µm
Frame Rate	60 fps
Mono/Color	Color

Camera Data

Interface	BCON for LVDS
Pixel Bit Depth	8, 12 bits
Synchronization	<div><div>■ hardware trigger</div><div>■ free-run</div><div>■ software trigger</div></div>
Exposure Control	<div><div>■ programmable via the camera API</div></div>
Digital Input	1
Digital Output	2

Camera Data

Power Requirements	<ul style="list-style-type: none">5V DC (via BCON for LVDS interface)
Power Consumption (typical)	1.3 W

Housing

Housing Type	Board Level
Housing Size (L x W x H)	5.9 mm x 27 mm x 27 mm
Lens Mount	<ul style="list-style-type: none">CS-mountnoneS-mount
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	<ul style="list-style-type: none">CERoHSFCCGenICamUL
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Features

Features

Click on a feature to open the corresponding topic in the Basler Product Documentation.

Color Creation and Enhancement	<ul style="list-style-type: none">Auto Function Profile: Anti-FlickerBacklight CompensationBalance White (Manual White Balance)Balance White Auto (Automatic White Balance)Contrast EnhancementHue/SaturationLight Source PresetsS-Curve Contrast ModesRGB Gamma Correction
I/O Control and Line Source Signals	<ul style="list-style-type: none">Acquisition Trigger Wait / Frame Burst Trigger WaitDebouncerExposure ActiveFlash WindowFrame Trigger WaitMinimum Output Pulse WidthTimer ActiveUser Output
Image Acquisition Control	<ul style="list-style-type: none">Acquisition StatusFrame Start TriggerTriggered by HardwareTriggered by Software
Miscellaneous	<ul style="list-style-type: none">Device Information ParametersUser Defined ValuesUser Sets (Configuration Sets)
PGI	<ul style="list-style-type: none">5x5 DebayeringColor-Anti-AliasingDenoisingImproved Sharpness

Features

Click on a feature to open the corresponding topic in the Basler Product Documentation.

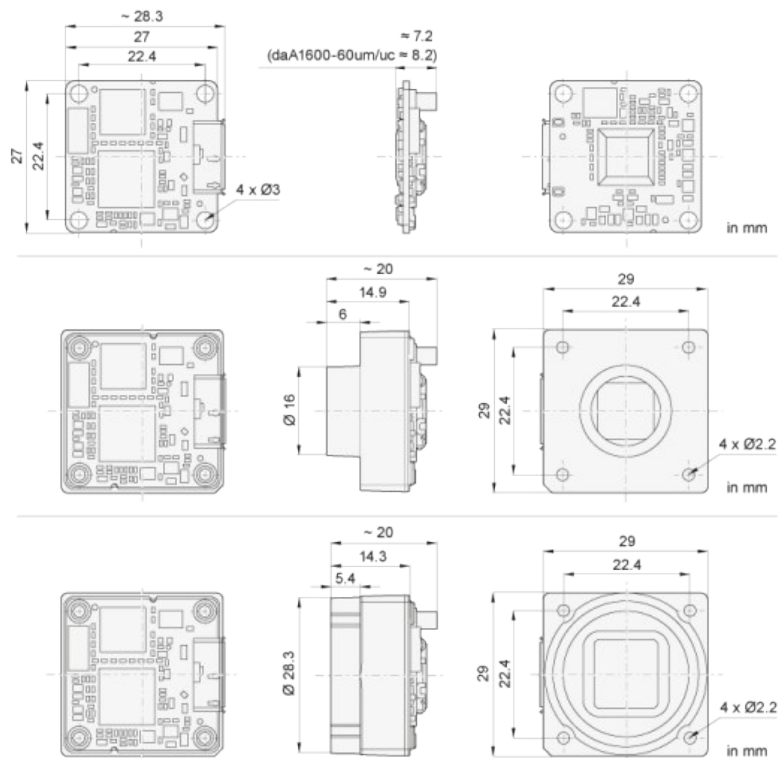
Pixel Formats	<ul style="list-style-type: none">■ Bayer 12■ Bayer 8■ RGB 8■ YCbCr422_8 (YUV422_8)
Standard Features	<ul style="list-style-type: none">■ Auto Function Profile■ Binning Horizontal■ Binning Vertical■ Black Level■ Exposure Auto■ Exposure Mode: Timed (Control via API)■ Gain■ Gain Auto■ Gamma Correction■ Region of Interest (ROI)■ Reverse X (Horizontal Mirroring)■ Reverse Y (Vertical Mirroring)■ Test Images

Dimensions

Mechanical drawing for daA1600-60lc

Mechanical drawings provide the detailed measurements of a camera product. Click on the link below to download the mechanical drawing for daA1600-60lc.

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