

daA1280-54um - Basler dart

The Basler daA1280-54um USB 3.0 camera with the ON Semiconductor AR0134 CMOS sensor delivers 54 frames per second at 1.2 MP resolution.



Number

1

+

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Specifications

General Information

Order Number	No-mount: 106680 / CS-Mount: 106681 / S-Mount: 106682
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Sensor

Sensor Vendor	ON Semiconductor
Sensor	AR0134
Shutter	Global Shutter
Max. Image Circle	1/3"
Sensor Type	CMOS
Sensor Size	4.8 mm x 3.6 mm
Resolution (HxV)	1280 px x 960 px
Resolution	1.2 MP
Pixel Size (H x V)	3.75 µm x 3.75 µm
Frame Rate	54 fps
Mono/Color	Mono

Camera Data

Interface	USB 3.0
Pixel Bit Depth	8, 12 bits
Synchronization	<div><div>■</div> hardware trigger</div> <div><div>■</div> free-run</div> <div><div>■</div> software trigger</div>
Exposure Control	<div><div>■</div> programmable via the camera API</div>
Digital Input	1

Camera Data

Digital Output	2
General Purpose I/O	2
Power Requirements	<ul style="list-style-type: none">Via USB 3.0 interface
Power Consumption (typical)	1.2 W

Housing

Housing Type	Board Level
Housing Size (L x W x H)	7.2 mm x 27 mm x 27 mm
Lens Mount	<ul style="list-style-type: none">CS-mountS-mountnone
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	<ul style="list-style-type: none">CERoHSGenICamULUSB3 VisionFCC
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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 CompensationContrast Enhancement
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)
Pixel Formats	<ul style="list-style-type: none">Mono 12Mono 8
Standard Features	<ul style="list-style-type: none">Auto Function ProfileBinning HorizontalBinning Vertical

Features

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

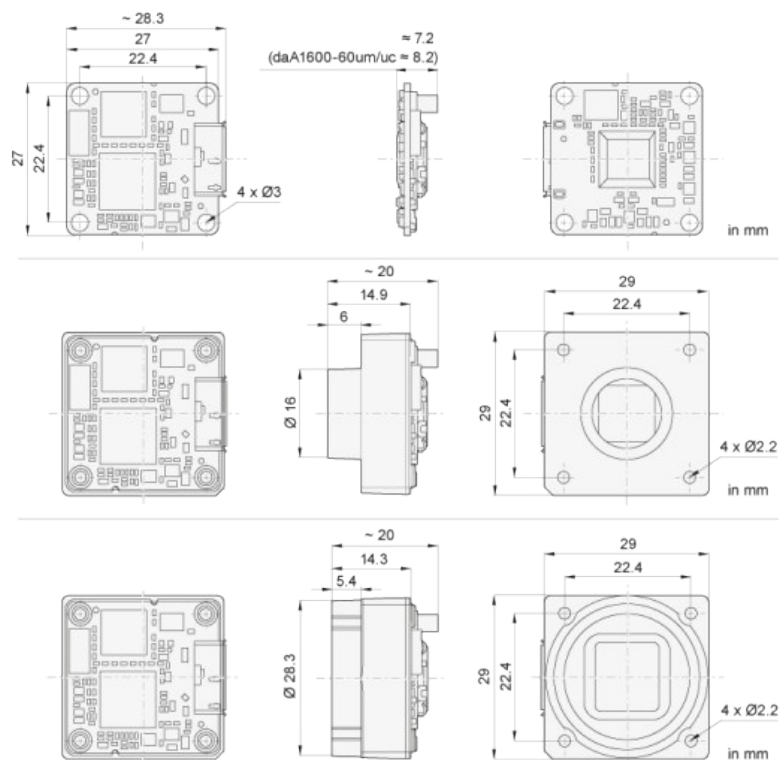
- [Black Level](#)
- [Exposure Auto](#)
- [Exposure Mode: Timed \(Control via API\)](#)
- [Gain](#)
- [Gain Auto](#)
- [Gamma Correction](#)
- [Region of Interest \(ROI\)](#)
- [Reverse X \(Horizontal Mirroring\)](#)
- [Reverse Y \(Vertical Mirroring\)](#)
- [Test Images](#)

Dimensions

Mechanical drawing for daA1280-54um

Mechanical drawings provide the detailed measurements of a camera product. Click on the link below to download the mechanical drawing for daA1280-54um.

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