

daA1280-54lm - Basler dart

The Basler daA1280-54lm BCON 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: 107139, CS-Mount: 107140, S-Mount: 107141
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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	BCON for LVDS
Pixel Bit Depth	8, 12 bits
Synchronization	■ hardware trigger ■ free-run ■ software trigger
Exposure Control	■ programmable via the camera API
Digital Input	1

Camera Data

Digital Output	2
Power Requirements	■ 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)	4.9 mm x 27 mm x 27 mm
Lens Mount	■ CS-mount ■ S-mount ■ none
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	■ CE ■ RoHS ■ FCC ■ GenICam ■ UL
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Features

Features

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

Color Creation and Enhancement	■ Auto Function Profile: Anti-Flicker ■ Backlight Compensation ■ Contrast Enhancement
I/O Control and Line Source Signals	■ Acquisition Trigger Wait / Frame Burst Trigger Wait ■ Debouncer ■ Exposure Active ■ Flash Window ■ Frame Trigger Wait ■ Minimum Output Pulse Width ■ Timer Active ■ User Output
Image Acquisition Control	■ Acquisition Status ■ Frame Start Trigger ■ Triggered by Hardware ■ Triggered by Software
Miscellaneous	■ Device Information Parameters ■ User Defined Values ■ User Sets (Configuration Sets)
Pixel Formats	■ Mono 12 ■ Mono 8
Standard Features	■ Auto Function Profile ■ Binning Horizontal ■ Binning Vertical ■ Black Level ■ Exposure Auto ■ Exposure Mode: Timed (Control via API)

Features

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

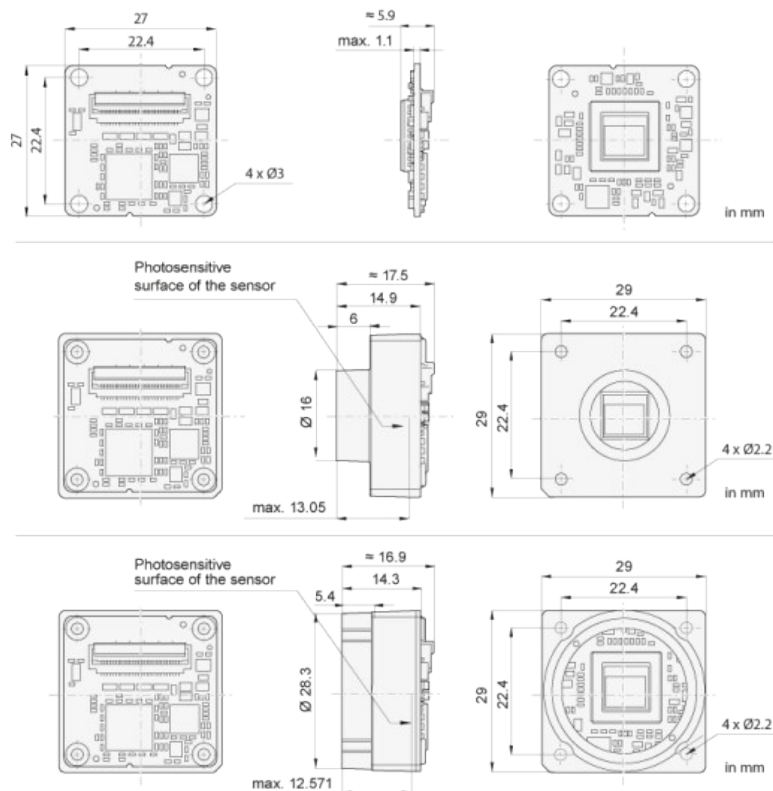
- [Gain](#)
- [Gain Auto](#)
- [Gamma Correction](#)
- [Region of Interest \(ROI\)](#)
- [Reverse X \(Horizontal Mirroring\)](#)
- [Reverse Y \(Vertical Mirroring\)](#)
- [Test Images](#)

Dimensions

Mechanical drawing for daA1280-54lm

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

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