

# 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



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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	<ul style="list-style-type: none"> <li>▪ hardware trigger</li> <li>▪ free-run</li> <li>▪ software trigger</li> </ul>
Exposure Control	<ul style="list-style-type: none"> <li>▪ programmable via the camera API</li> </ul>
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	▪ <a href="#">Auto Function Profile: Anti-Flicker</a> ▪ <a href="#">Backlight Compensation</a> ▪ <a href="#">Contrast Enhancement</a>
I/O Control and Line Source Signals	▪ <a href="#">Acquisition Trigger Wait / Frame Burst Trigger Wait</a> ▪ <a href="#">Debouncer</a> ▪ <a href="#">Exposure Active</a> ▪ <a href="#">Flash Window</a> ▪ <a href="#">Frame Trigger Wait</a> ▪ <a href="#">Minimum Output Pulse Width</a> ▪ <a href="#">Timer Active</a> ▪ <a href="#">User Output</a>
Image Acquisition Control	▪ <a href="#">Acquisition Status</a> ▪ <a href="#">Frame Start Trigger</a> ▪ <a href="#">Triggered by Hardware</a> ▪ <a href="#">Triggered by Software</a>
Miscellaneous	▪ <a href="#">Device Information Parameters</a> ▪ <a href="#">User Defined Values</a> ▪ <a href="#">User Sets (Configuration Sets)</a>
Pixel Formats	▪ <a href="#">Mono 12</a> ▪ <a href="#">Mono 8</a>
Standard Features	▪ <a href="#">Auto Function Profile</a> ▪ <a href="#">Binning Horizontal</a> ▪ <a href="#">Binning Vertical</a> ▪ <a href="#">Black Level</a> ▪ <a href="#">Exposure Auto</a> ▪ <a href="#">Exposure Mode: Timed (Control via API)</a>

## Features

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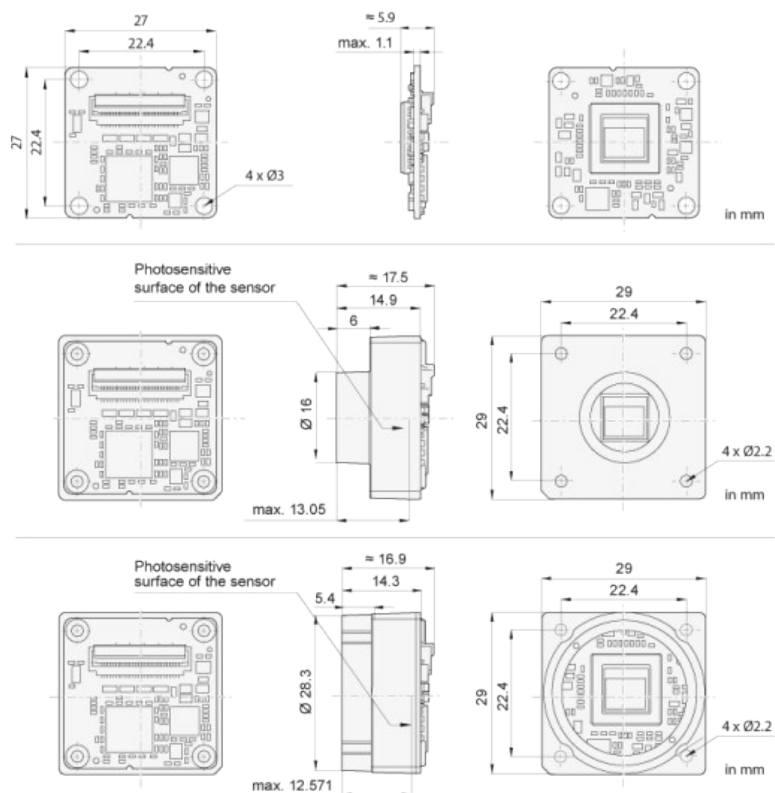
- Gain
- Gain Auto
- Gamma Correction
- Region of Interest (ROI)
- Reverse X (Horizontal Mirroring)
- Reverse Y (Vertical Mirroring)
- Test Images

## 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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