daA1280-54uc - Basler dart

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

| USB VISION | PGI | ● |

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Specifications

General Information

	Order Number	No-mount: 106683 / CS-Mount: 106684 / S-Mount: 106685

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	Color

Camera Data

	Interface	USB 3.0
	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	
General Purpose I/O	2	
Power Requirements	■ Via USB 3.0 interface	
Power Consumption (typical)	1.3 W	

Housing

Housing Type	Board Level
Housing Size (L x W x H)	7.2 mm x 27 mm x 27 mm
Lens Mount	■ CS-mount ■ none ■ S-mount
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	■ CE ■ RoHS ■ GenICam ■ USB3 Vision ■ UL ■ FCC

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 ■ Balance White (Manual White Balance) ■ Balance White Auto (Automatic White Balance) ■ Contrast Enhancement ■ Hue/Saturation ■ Light Source Presets ■ S-Curve Contrast Mode ■ sRGB Gamma Correction
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)

Features

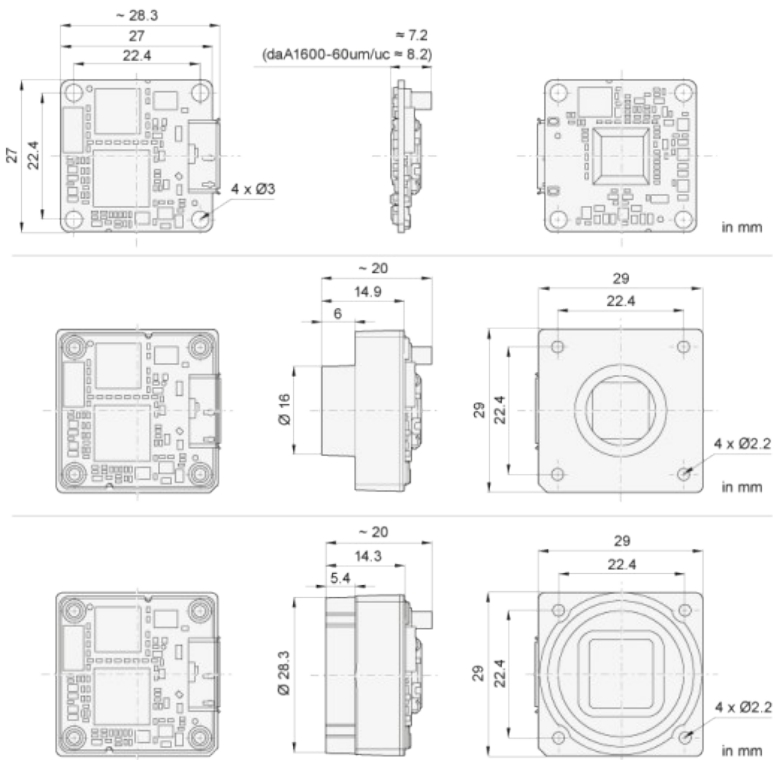**Click on a feature to open the corresponding topic in the Basler Product Documentation.**

PGI	■ 5x5 Debayering ■ Color-Anti-Aliasing ■ Denoising
Pixel Formats	■ Bayer 12 ■ Bayer 8 ■ RGB 8 ■ YCbCr422_8 (YUV422_8)
Standard Features	■ 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 daA1280-54uc

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

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