

daA2500-14lc - Basler dart

The Basler daA2500-14lc BCON camera with the ON Semiconductor MT9P031 CMOS sensor delivers 14 frames per second at 5 MP resolution.



Number

1

+

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Specifications

General Information

Order Number	No-Mount: 107148, CS-Mount: 107149, S-Mount: 107150
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Sensor

Sensor Vendor	ON Semiconductor
Sensor	MT9P031
Shutter	Rolling Shutter
Max. Image Circle	1/2.5"
Sensor Type	CMOS
Sensor Size	5.7 mm x 4.3 mm
Resolution (HxV)	2592 px x 1944 px
Resolution	5 MP
Pixel Size (H x V)	2.2 μm x 2.2 μm
Frame Rate	14 fps
Mono/Color	Color

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 ■ hardware trigger

Camera Data

Digital Input	1
Digital Output	2
Power Requirements	5V DC (via BCON for LVDS interface)
Power Consumption (typical)	1.4 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 - UL - GenICam
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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 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)
DSI	5x5 Debayering

Features

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

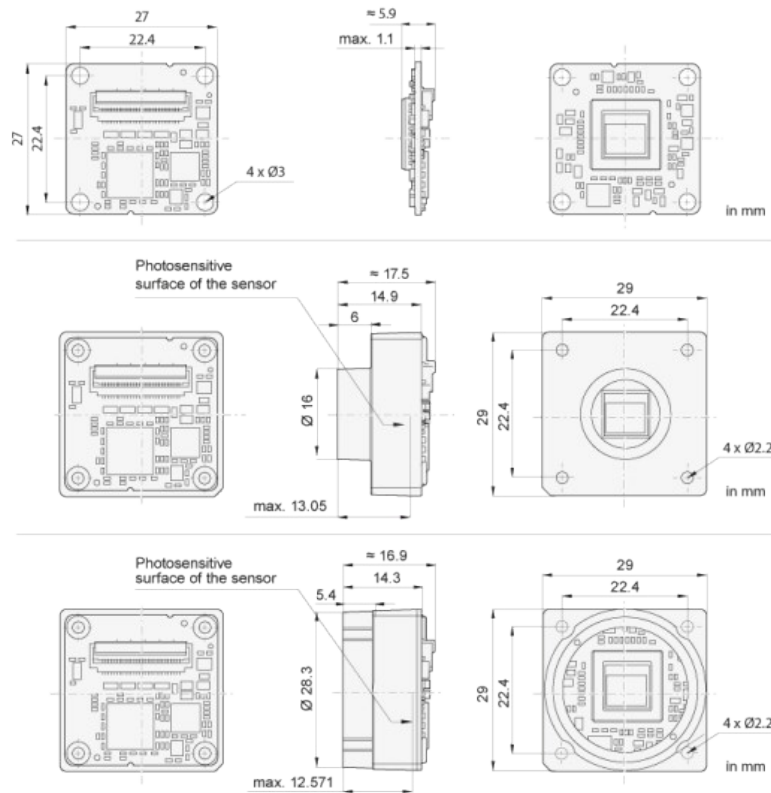
	■ Color-Anti-Aliasing ■ Denoising ■ Improved Sharpness
Pixel Formats	■ Bayer 12 ■ Bayer 8 ■ RGB 8 ■ YCbCr422_8 (YUV422_8)
Standard Features	■ Auto Function Profile ■ Binning Horizontal ■ Binning Vertical ■ Black Level ■ Exposure Auto ■ Exposure Mode: Timed (Control via API) ■ Exposure Mode: Trigger Width (Control via External Trigger) ■ Gain ■ Gain Auto ■ Gamma Correction ■ Region of Interest (ROI) ■ Reverse X (Horizontal Mirroring) ■ Reverse Y (Vertical Mirroring) ■ Test Images

Dimensions

Mechanical drawing for daA2500-14lc

Mechanical drawings provide the detailed measurements of a camera product. Click on the link below to download the mechanical drawing for daA2500-14lc.

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