

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	<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> <div><div>■</div> hardware trigger</div>

Camera Data

Digital Input	1
Digital Output	2
Power Requirements	<ul style="list-style-type: none">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	<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">CERoHSFCCULGenICam
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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 CompensationBalance White (Manual White Balance)Balance White Auto (Automatic White Balance)Contrast EnhancementHue/SaturationLight Source PresetsS-Curve Contrast ModesRGB Gamma Correction
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)
DSI	<ul style="list-style-type: none">5x5 Debayering

Features

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

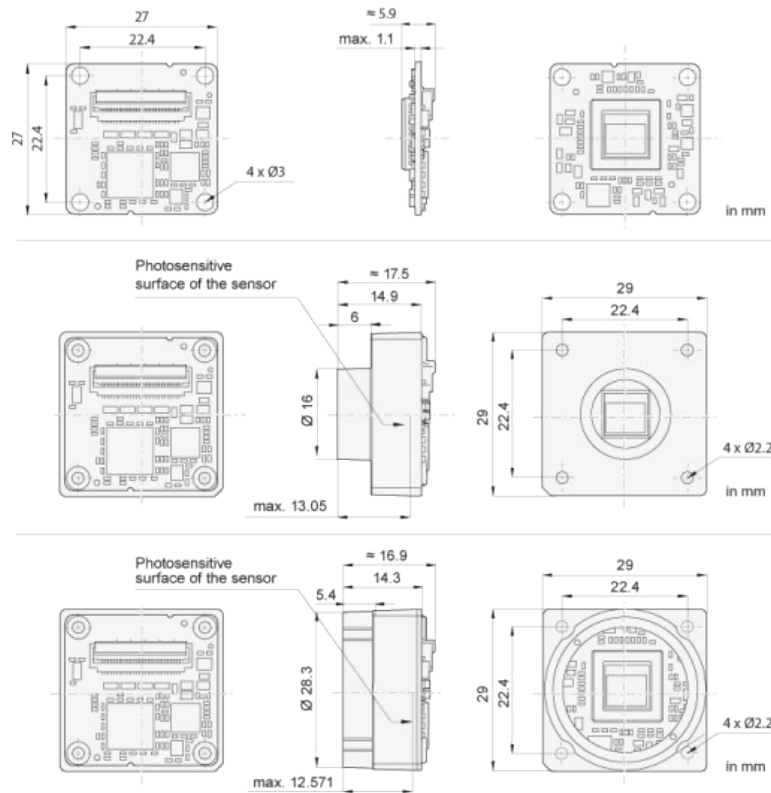
	<ul style="list-style-type: none">■ Color-Anti-Aliasing■ Denoising■ Improved Sharpness
Pixel Formats	<ul style="list-style-type: none">■ Bayer 12■ Bayer 8■ RGB 8■ YCbCr422_8 (YUV422_8)
Standard Features	<ul style="list-style-type: none">■ Auto Function Profile■ Binning Horizontal■ Binning Vertical■ Black 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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