daA2500-14lm - Basler dart

The Basler daA2500-14lm 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: 107145, CS-Mount: 107146, S-Mount: 107147

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	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 ■ hardware trigger

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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 ■ none ■ S-mount
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	■ CE ■ RoHS ■ FCC ■ GenICam ■ UL

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

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Features

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

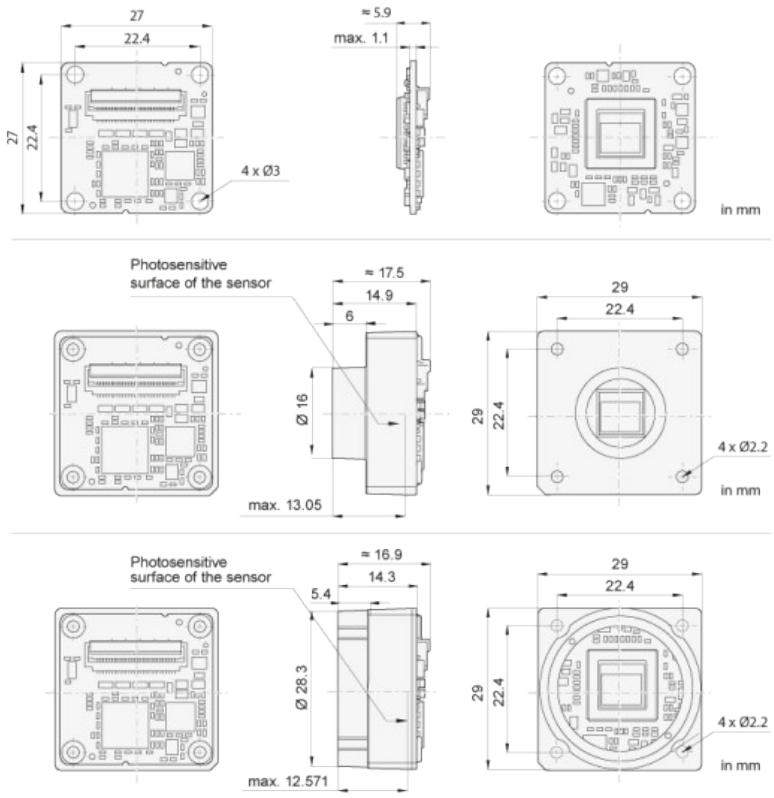
- Exposure Auto
- Exposure Mode: Timed (Control via API)
- Exposure Mode: Trigger Width (Control via External Trigger)
- Gain
- Gain Auto
- Gamma Correction
- Region of Interest (ROI)
- Reverse X (Horizontal Mirroring)
- Reverse Y (Vertical Mirroring)
- Test Images

Dimensions

Mechanical drawing for daA2500-14lm

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

Download now



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