

daA4200-30mci-IMX8-EVK - Embedded Vision Kits

Basler Add-on Camera Kit to add Vision to the NXP Evaluation Boards.

The Basler Add-on Camera Kit supports the applications processors of the i.MX 8 series and provides the perfect starting point to easily add vision to the popular evaluation boards from NXP. This kit comes with a 13 MP dart camera module, cable, lens and a BCON for MIPI to Mini SAS adapter. The driver is optimized for the processor and makes commissioning as easy as possible.

This Add-on Camera Kit is compatible with the following NXP Evaluation Boards: MCIMX8M-EVK, 8MMINILPD4-EVK, MCIMX8QM-CPU.



Number

Add to watch list

Specifications

General Information

Design-In Sample:	now
Series Production:	February 2020
Order Number	108025
Components Included	<ul style="list-style-type: none"> ▪ Camera Model: daA4200-30mci (S-Mount) ▪ Board: BCON for MIPI to Mini SAS ▪ Lens: Evetar Lens M13B0618W F1.8 f6mm 1/3" ▪ Cables: FFC cable, 0.2m



daA4200-30mci (S-Mount)

Sensor Vendor	ON Semiconductor
Sensor	AR1335
Shutter	Rolling Shutter
Max. Image Circle	1/3"
Sensor Type	CMOS
Sensor Size	4.63 mm x 3.43 mm
Resolution (HxV)	4208 px x 3120 px

daA4200-30mci (S-Mount)

Resolution	13 MP
Pixel Size (H x V)	1.1 µm x 1.1 µm
Frame Rate	30 fps
Mono/Color	Color
Interface	BCON for MIPI
Pixel Bit Depth	10 bits
Synchronization	<ul style="list-style-type: none">■ free-run■ software trigger
Exposure Control	<ul style="list-style-type: none">■ programmable via the camera API■ automatic■ manual
Digital Input	2
Digital Output	2
Power Requirements	<ul style="list-style-type: none">■ 5V DC (via BCON for MIPI interface)
Power Consumption (typical)	0.6 W
Housing Type	Board Level
Housing Size (L x W x H)	29 mm x 29 mm x 17.5 mm
Lens Mount	<ul style="list-style-type: none">■ S-mount
Weight (typical)	5g
Conformity	<ul style="list-style-type: none">■ RoHS■ CE■ FCC■ GenICam■ MIPI CSI-2■ UL■ KC

BCON for MIPI to Mini SAS

Camera Interface	BCON for MIPI
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Evetar Lens M13B0618W F1.8 f6mm 1/3"

Focal Length	6.0 mm
Lens Mount	S-mount
Iris	F1.8
Iris Type	fixed
IR Cut Filter	yes
Max. Image Circle	1/3"
Working Distance	200 mm

FFC cable, 0.2m

Cable Length	0.2 m
Connector Camera Side	28 pin Hirose ZIF connector
Connector Host Side	28 pin Hirose ZIF connector
Interface	BCON for MIPI

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