BASLER

daA3840-30mc-IMX8MP-EVK - Embedded Vision Kits

Basler Add-on Camera Kit to add Vision to the new NXP i.MX 8M Plus Evaluation Board.

The Basler Add-on Camera Kit supports the NXP i.MX 8M Plus applications processor and provides the perfect starting point to easily add vision to the popular evaluation boards from NXP. This kit comes with a 8 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: i.MX 8M Plus EVK

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Specifications ⌄

General Information

Design-In Sample:	May 2020	
Series Production:	Q3 2020	
Order Number	108225	
Components Included	■ **Camera Model:** daA3840-30mc (S-Mount) ■ **Board:** BCON for MIPI to Mini SAS ■ **Lens:** Evetar Lens E3360D-R1 F2.0 f4.0mm 1/1.7" ■ **Cables:** FFC cable, 0.2m ■ **Software:** Camera driver for i.MX 8M Plus ■ **Manual:** Quick Getting Started Guide for easy start	
Shipment	For information about shipping please use the request cart.	
Destination	United States ▼	

daA3840-30mc (S-Mount)

Sensor Vendor	ON Semiconductor
Shutter	Rolling Shutter
Max. Image Circle	1/1.8"
Sensor Type	CMOS

daA3840-30mc (S-Mount)

Resolution (HxV)	3840 px x 2160 px	
Resolution	8 MP	
Pixel Size (H x V)	2.1 µm x 2.1 µm	
Frame Rate	30 fps	
Mono/Color	Color	
Interface	BCON for MIPI	
Pixel Bit Depth	20, more to follow bits	
Synchronization	■ free-run ■ software trigger	
Exposure Control	■ programmable via the camera API ■ automatic ■ manual	
Digital Input	2	
Digital Output	2	
Power Requirements	■ 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	■ S-mount	
Weight (typical)	15g	
Conformity	■ RoHS ■ CE ■ FCC ■ GenICam ■ MIPI CSI-2 ■ UL	

BCON for MIPI to Mini SAS

Board type	Adapter
Camera Interface	BCON for MIPI

Evetar Lens E3360D-R1 F2.0 f4.0mm 1/1.7"

Focal Length	4.0 mm
Lens Mount	S-mount
Iris	F2.0
Iris Type	fixed
IR Cut Filter	yes
Max. Image Circle	1/1.8"
Working Distance	300 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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