# BASLER

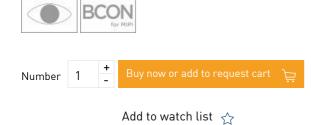
Embedded Vision > Embedded Vision Portfolio > Basler's Embedded Vision Kits

## 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







#### **Specifications**

#### **General Information**

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

#### daA3840-30mc (S-Mount)

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

Downloaded from Arrow.com.

## 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	<ul><li>free-run</li><li>software trigger</li></ul>
Exposure Control	<ul><li>programmable via the camera API</li><li>automatic</li><li>manual</li></ul>
Digital Input	2
Digital Output	2
Power Requirements	<ul> <li>5V DC (via BCON for MIPI interface)</li> </ul>
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> <li>S-mount</li> </ul>
Weight (typical)	15g
Conformity	<ul> <li>RoHS</li> <li>CE</li> <li>FCC</li> <li>GenlCam</li> <li>MIPI CSI-2</li> <li>UL</li> </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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