daA3840-30mc (S-Mount) - Basler dart

The Basler daA3840-30mc (S-Mount) BCON for MIPI camera module with the ON Semiconductor Premium 4K with superb HDR high performance RGB bayer CMOS sensor delivers 30 frames per second at 8 MP resolution.This model comes with a S-mount.

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Specifications ⌄

General Information

	Design-In Sample:	now
	Series Production:	Q3 2020
	Order Number	108220

Sensor

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

Camera Data

	Interface	BCON for MIPI
	Pixel Bit Depth	20, more to follow bits
	Synchronization	▪ free-run ▪ software trigger
	Image Processing	Host processor (ISP)

Camera Data

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

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

Conformity	▪ RoHS ▪ CE ▪ FCC ▪ GenICam ▪ MIPI CSI-2 ▪ UL

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