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.

General Information

Order Number	108220

Sensor

Sensor Vendor	onsemi
Sensor	AR0821
Shutter	Rolling Shutter
Sensor Format	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

General Information

Mono/Color	Color

Camera Data

Interface	BCON for MIPI
Pixel Bit Depth	10 bit bits
Synchronization	▪ free-run ▪ software trigger
Image Processing	Host processor (ISP)
Exposure Control	▪ programmable via the camera API ▪ automatic ▪ manual
Digital Input	2
Digital Output	2
Power Supply	▪ 5V DC (via BCON for MIPI interface)
Power Requirements (typical)	0.6 W

Housing

Housing Type	Board Level
Housing Size (L x W x H)	17.5 mm x 29 mm x 29 mm
Lens Mount	▪ S-mount
Weight (typical)	9g

Conformity

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

Features

For more information about the features, visit the [Basler Product Documentation.](#)

	Color Creation and Enhancement	▪ Balance White (Manual White Balance) ▪ Balance White Auto (Automatic White Balance) ▪ Brightness and Contrast ▪ Flicker Reduction ▪ Hue and Saturation ▪ Light Source Presets ▪ Sharpness Enhancement
▪	Image Acquisition Control	▪ Acquisition Start, Stop, and Abort ▪ Triggered by Software
▪	Miscellaneous	▪ Chromatic aberration correction with Basler lenses ▪ Device Information Parameters ▪ Dewarping ▪ Flash light control ▪ HDR mode ▪ Lens shading correction with Basler lenses
▪	Pixel Formats	▪ YCbCr422_8 (YUV422_8)
▪	Standard Features	▪ Exposure Auto ▪ Exposure Mode: Timed ▪ Exposure Time ▪ Gain ▪ Gain Auto ▪ Gamma Correction ▪ Test Patterns