



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
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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
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Camera Data

Interface	BCON for MIPI
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Pixel Bit Depth	10 bit bits
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Synchronization	<ul style="list-style-type: none">▪ free-run▪ software trigger
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▪ Image Processing	Host processor (ISP)
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Exposure Control	<ul style="list-style-type: none">▪ programmable via the camera API▪ automatic▪ manual
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▪ Digital Input	2
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Digital Output	2
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Power Supply	<ul style="list-style-type: none">▪ 5V DC (via BCON for MIPI interface)
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▪ Power Requirements (typical)	0.6 W
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Housing

Housing Type	Board Level
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Housing Size (L x W x H)	17.5 mm x 29 mm x 29 mm
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Lens Mount	<ul style="list-style-type: none">▪ S-mount
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▪ Weight (typical)	9g
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Conformity

Conformity	<ul style="list-style-type: none">▪ RoHS▪ CE▪ FCC▪ GenICam▪ MIPI CSI-2▪ UL▪ EAC▪ KC
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Features

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

	Color Creation and Enhancement	<ul style="list-style-type: none">▪ 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	<ul style="list-style-type: none">▪ Acquisition Start, Stop, and Abort▪ Triggered by Software
▪	Miscellaneous	<ul style="list-style-type: none">▪ Chromatic aberration correction with Basler lenses▪ Device Information Parameters▪ Dewarping▪ Flash light control▪ HDR mode▪ Lens shading correction with Basler lenses
▪	Pixel Formats	<ul style="list-style-type: none">▪ YCbCr422_8 (YUV422_8)
▪	Standard Features	<ul style="list-style-type: none">▪ Exposure Auto▪ Exposure Mode: Timed▪ Exposure Time▪ Gain▪ Gain Auto▪ Gamma Correction▪ Test Patterns