daA3840-45um (S-Mount) - Basler dart

The Basler daA3840-45um (S-Mount) USB 3.0 camera with the Sony IMX334 CMOS sensor delivers 45 frames per second at 8.3 MP resolution. This model comes with a S-Mount.



Specifications

General Information

Design-In Sample:	now
Series Production:	February 2021
Order Number	108271

Sensor

Sensor Vendor	Sony
Sensor	IMX334
Shutter	Rolling Shutter
Max. Image Circle	1/1.8"
Sensor Type	CMOS
Sensor Size	7.7 mm x 4.3 mm
Resolution (HxV)	3840 px x 2160 px
Resolution	8.3 MP
Pixel Size (H x V)	2 µm x 2 µm
Frame Rate	45 fps
Mono/Color	Mono

Camera Data

Interface	USB 3.0
Pixel Bit Depth	8, 12 bits
Synchronization	■ software trigger

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Camera Data

	■ hardware trigger ■ free-run
Image Processing	In-Camera Processing
Exposure Control	■ programmable via the camera API ■ hardware trigger
Digital Input	1
Digital Output	2
General Purpose I/O	2
Power Supply	■ Via USB 3.0 interface
Power Requirements (typical)	1.8 W

Housing

Housing Type	Board Level
Housing Size (L x W x H)	19.9 mm x 29.3 mm x 29 mm
Lens Mount	■ S-mount
Operating Temperature	0 - 50°C
Weight (typical)	5g

Conformity

Conformity	■ RoHS ■ USB3 Vision ■ CE ■ GenICam ■ KC ■ UL ■ FCC ■ EAC

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