



## daA1600-60um (S-Mount) - Basler dart

The Basler daA1600-60um (S-Mount) USB 3.0 camera with the e2V EV76C570 CMOS sensor delivers 60 frames per second at 2 MP resolution. This model comes with a S-mount.



Specifications	
<b>General Information</b>	
Camera Brand	Basler
Order Number	106982

<b>Sensor</b>		
	Sensor Vendor	e2v
	Sensor	EV76C570
	Shutter	Global Shutter
	Sensor Format	1/1.8"
	Sensor Type	CMOS
	Sensor Size	7.2 mm x 5.4 mm
	Resolution (HxV)	1600 px x 1200 px
	Resolution	2 MP
	Pixel Size (H x V)	4.5 $\mu\text{m}$ x 4.5 $\mu\text{m}$
	Frame Rate	60 fps
	Mono/Color	Mono
<b>Camera Data</b>		
	Interface	USB 3.0
	Pixel Bit Depth	8, 12 bits
	Synchronization	<ul style="list-style-type: none"> <li>▪ hardware trigger</li> <li>▪ free-run</li> <li>▪ software trigger</li> </ul>
▪	Exposure Control	<ul style="list-style-type: none"> <li>▪ programmable via the camera API</li> </ul>
▪	Digital Input	1
	Digital Output	2
	General Purpose I/O	2
	Power Supply	<ul style="list-style-type: none"> <li>▪ Via USB 3.0 interface</li> </ul>
▪	Power Requirements (typical)	1.3 W
<b>Housing</b>		
	Housing Type	Board Level
	Housing Size (L x W x H)	19.9 mm x 29.3 mm x 29 mm

<b>Housing</b>		
	Lens Mount	<ul style="list-style-type: none"> <li>▪ S-mount</li> </ul>
▪	Operating Temperature	0 - 50°C
	Weight (typical)	15g
<b>Conformity</b>		
	Conformity	<ul style="list-style-type: none"> <li>▪ CE</li> <li>▪ RoHS</li> <li>▪ GenICam</li> <li>▪ UL</li> <li>▪ USB3 Vision</li> <li>▪ FCC</li> <li>▪ KC</li> <li>▪ EAC</li> </ul>

<b>Features</b>		
For more information about the features, visit the Basler Product Documentation.		
	Chunks	<ul style="list-style-type: none"> <li>▪ Exposure Time</li> <li>▪ Gain</li> </ul>
▪	Color Creation and Enhancement	<ul style="list-style-type: none"> <li>▪ Auto Function Profile: Anti-Flicker</li> <li>▪ Backlight Compensation</li> <li>▪ Brightness and Contrast</li> </ul>
▪	I/O Control	<ul style="list-style-type: none"> <li>▪ Debouncer</li> </ul>
▪	Image Acquisition Control	<ul style="list-style-type: none"> <li>▪ Acquisition Frame Rate</li> <li>▪ Acquisition Mode</li> <li>▪ Acquisition Start, Stop, and Abort</li> <li>▪ Triggered by Hardware</li> <li>▪ Triggered by Software</li> </ul>
▪	Line Source Signals	<ul style="list-style-type: none"> <li>▪ Exposure Active</li> </ul>
▪	Miscellaneous	<ul style="list-style-type: none"> <li>▪ Defect Pixel Correction Mode</li> <li>▪ Device Information Parameters</li> <li>▪ User Sets (Configuration Sets)</li> </ul>
▪	PGI	<ul style="list-style-type: none"> <li>▪ Denoising</li> <li>▪ Improved Sharpness</li> </ul>
▪	Pixel Formats	<ul style="list-style-type: none"> <li>▪ Mono 8</li> </ul>
▪	Standard Features	<ul style="list-style-type: none"> <li>▪ Auto Function Profile</li> <li>▪ Binning</li> <li>▪ Black Level</li> <li>▪ Exposure Auto</li> <li>▪ Exposure Mode: Timed</li> <li>▪ Exposure Time</li> </ul>

## Features

For more information about the features, visit the Basler Product Documentation.

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|  |  | <ul style="list-style-type: none"><li>▪ Gain</li><li>▪ Gain Auto</li><li>▪ Gamma Correction</li><li>▪ Image ROI (Region of Interest)</li><li>▪ Reverse X (Horizontal Mirroring)</li><li>▪ Reverse Y (Vertical Mirroring)</li><li>▪ Test Patterns</li></ul> |
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