

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

General Information	
Camera Brand	Basler
Order Number	106982

Sensor		
	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 µm x 4.5 µm
	Frame Rate	60 fps
	Mono/Color	Mono
Camera Data		
	Interface	USB 3.0
	Pixel Bit Depth	8, 12 bits
	Synchronization	▪ hardware trigger ▪ free-run ▪ software trigger
▪	Exposure Control	▪ programmable via the camera API
▪	Digital Input	1
	Digital Output	2
	General Purpose I/O	2
	Power Supply	▪ Via USB 3.0 interface
▪	Power Requirements (typical)	1.3 W
Housing		
	Housing Type	Board Level
	Housing Size (L x W x H)	19.9 mm x 29.3 mm x 29 mm

Housing		
	Lens Mount	▪ S-mount
▪	Operating Temperature	0 - 50°C
	Weight (typical)	15g
Conformity		
	Conformity	▪ CE ▪ RoHS ▪ GenICam ▪ UL ▪ USB3 Vision ▪ FCC ▪ KC ▪ EAC

Features For more information about the features, visit the Basler Product Documentation.		
	Chunks	▪ Exposure Time ▪ Gain
▪	Color Creation and Enhancement	▪ Auto Function Profile: Anti-Flicker ▪ Backlight Compensation ▪ Brightness and Contrast
▪	I/O Control	▪ Debouncer
▪	Image Acquisition Control	▪ Acquisition Frame Rate ▪ Acquisition Mode ▪ Acquisition Start, Stop, and Abort ▪ Triggered by Hardware ▪ Triggered by Software
▪	Line Source Signals	▪ Exposure Active
▪	Miscellaneous	▪ Defect Pixel Correction Mode ▪ Device Information Parameters ▪ User Sets (Configuration Sets)
▪	PGI	▪ Denoising ▪ Improved Sharpness
▪	Pixel Formats	▪ Mono 8
▪	Standard Features	▪ Auto Function Profile ▪ Binning ▪ Black Level ▪ Exposure Auto ▪ Exposure Mode: Timed ▪ Exposure Time

Features For more information about the features, visit the Basler Product Documentation.		
		▪ Gain ▪ Gain Auto ▪ Gamma Correction ▪ Image ROI (Region of Interest) ▪ Reverse X (Horizontal Mirroring) ▪ Reverse Y (Vertical Mirroring) ▪ Test Patterns