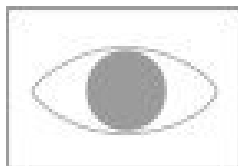


## daA2500-60mci (S-Mount) - Basler dart

The Basler daA2500-60mci (S-Mount) BCON for MIPI camera module with the ON Semiconductor AR0521 CMOS sensor delivers 60 frames per second at 5 MP resolution. This model comes with a S-mount.



Camera Brand  
Order Number

Basler  
108007

## Sensor

Sensor Vendor	onsemi
Sensor	AR0521
Shutter	Rolling Shutter
Sensor Format	1/2.5"
Sensor Type	CMOS
Sensor Size	5.7 mm x 4.3 mm
Resolution (HxV)	2560 px x 1920 px
Resolution	5 MP
Pixel Size (H x V)	2.2 $\mu\text{m}$ x 2.2 $\mu\text{m}$
Frame Rate	60 fps
Mono/Color	Color

## Camera Data

Interface	BCON for MIPI
Pixel Bit Depth	8, 12 bits
Synchronization	<ul style="list-style-type: none"><li>▪ free-run</li><li>▪ software trigger</li></ul>
Image Processing	In-Camera Processing
Exposure Control	<ul style="list-style-type: none"><li>▪ programmable via the camera API</li><li>▪ automatic</li><li>▪ manual</li></ul>
Digital Input	2
Digital Output	2
Power Supply	<ul style="list-style-type: none"><li>▪ 5V DC (via BCON for MIPI interface)</li></ul>
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	<ul style="list-style-type: none"><li>▪ RoHS</li><li>▪ CE</li><li>▪ FCC</li><li>▪ GenICam</li><li>▪ MIPI CSI-2</li><li>▪ UL</li><li>▪ KC</li><li>▪ EAC</li></ul>
------------	--

---

## Features

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

---

Color Creation and Enhancement	<ul style="list-style-type: none"><li>▪ Balance White (Manual White Balance)</li><li>▪ Balance White Auto (Automatic White Balance)</li><li>▪ Brightness and Contrast</li><li>▪ Flicker Reduction</li><li>▪ Hue and Saturation</li><li>▪ Light Source Presets</li><li>▪ Sharpness Enhancement</li></ul>
Image Acquisition Control	<ul style="list-style-type: none"><li>▪ Acquisition Start, Stop, and Abort</li><li>▪ Triggered by Software</li></ul>
Miscellaneous	<ul style="list-style-type: none"><li>▪ Device Information Parameters</li></ul>
Pixel Formats	<ul style="list-style-type: none"><li>▪ YCbCr422_8 (YUV422_8)</li></ul>
Standard Features	<ul style="list-style-type: none"><li>▪ Exposure Auto</li><li>▪ Exposure Mode: Timed</li><li>▪ Exposure Time</li><li>▪ Gain</li><li>▪ Gain Auto</li><li>▪ Gamma Correction</li><li>▪ Test Patterns</li></ul>

---