# daA1920-30uc - Basler dart

The Basler daA1920-30uc USB 3.0 camera with the ON Semiconductor MT9P031 CMOS sensor delivers 30 frames per second at 2 MP resolution.





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## Specifications

### General Information

| | |
|---|---|
| Order Number | No-mount: 106689 / CS-Mount: 106690 / S-Mount: 106691 |

### Sensor

| | |
|---|---|
| Sensor Vendor | ON Semiconductor |
| Sensor | MT9P031 |
| Shutter | Rolling Shutter |
| Max. Image Circle | 1/3.7" |
| Sensor Type | CMOS |
| Sensor Size | 4.2 mm x 2.4 mm |
| Resolution (H x V) | 1920 px x 1080 px |
| Resolution | 2 MP |
| Pixel Size (H x V) | 2.2 µm x 2.2 µm |
| Frame Rate | 30 fps |
| Mono/ Color | Color |

### Camera Data

| | |
|---|---|
| Interface | USB 3.0 |
| Pixel Bit Depth | 8, 12 bits |
| Synchronization | ■ hardware trigger<br>■ free-run<br>■ software trigger |
| Exposure Control | ■ programmable via the camera API<br>■ hardware trigger |
| Digital Input | 1 |
| Digital Output | 2 |
| General Purpose I/O | 2 |
| Power Requirements | ■ Via USB 3.0 interface |
| Power Consumption (typical) | 1.2 W |

### Housing

| | |
|---|---|
| Housing Type | Board Level |
| Housing Size (L x W x H) | 7.2 mm x 27 mm x 27 mm |
| Lens Mount | ■ CS-mount<br>■ none<br>■ S-mount |
| Housing Temperature | 0 - 50°C |
| Weight (typical) | 15g |

### Conformity

| | |
|---|---|
| Conformity | ■ CE<br>■ RoHS<br>■ GenICam<br>■ UL<br>■ USB3 Vision |

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