**a2A3840-45ucBAS**

The a2A3840-45ucBAS Basler ace 2 R camera is equipped with a Sony IMX334 sensor.



**Specifications**

**General Specifications**

|  | a2A3840-45ucBAS |
| --- | --- |
| Resolution (H x V Pixels) | 3860 x 2178 (full resolution)3840 x 2160 (default resolution) |
| Resolution | 8.3 MP |
| Sensor Type | Sony IMX334LLR-CProgressive scan CMOSRolling shutter |
| Sensor Format | 1/1.8" |
| Effective Sensor Diagonal | 8.86 mm |
| Pixel Size (H x V) | 2.0 x 2.0 µm |
| Frame Rate (at Default Settings) | 43.3 fps45.7 fps (Device Link Throughput Limit mode set to Off)24.3 fps (with triggering via Frame Start trigger) |
| Product Family | ace 2 R |
| Mono / Color | Colour |
| Image Data Interface | USB 3.0, nominal max. 5 Gbit/s (SuperSpeed) |
| Pixel Formats | See Pixel Format. |
| Synchronization | Via hardware triggerVia software triggerVia free run |
| Exposure Time Control | Programmable via the camera API |
| Camera Power Requirements | ≈2.5 W (typical) @ 5 VDC |
| I/O Lines | 1 opto-coupled input line2 general purpose I/O (GPIO) lines |
| Lens Mount | C-mount |
| Size (L x W x H) | 36.3 x 29 x 29 mm (without lens mount or connectors)48.1 x 29 x 29 mm (with lens mount and connectors) |
| Weight | <85 g |
| Conformity | CE (includes RoHS), EAC, UL Listed, FCC, KC, GenICam, USB3 Vision, IP30Certificates for your camera modelFor more information, see the Compliance section of the Basler website. |
| Software | Basler pylon Software Suite (version 6.0 or higher)Available for Windows, Linux x86, Linux ARM, macOS, and Android |
| Accessories | Lenses – C125-0418-5M-P f4mm 2000034830C125-0618-5M-P f6mm 2000034831C125-0818-5M-P f8mm 2000034832C125-1218-5M-P f12mm 2000034833C125-1620-5M-P f16mm 2000034834C125-2522-5M-P f25mm 2000034835Cables – USB Cable - with screwlock 2200000620USB Cable - with screwlock 2200000621USB Cable - without screwlock 2000035131USB Cable - without screwlock 2000035315M8, 5m, axial - Lighting Cable 2200000899 |

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