

acA2500-60um - Basler ace

The Basler acA2500-60um USB 3.0 camera with the ON Semiconductor PYTHON 5000 CMOS sensor delivers 60 frames per second at 5 MP resolution.



Number

1

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General Information

Order Number	107257
Product Line	ace U

Sensor

Sensor Vendor	ON Semiconductor
Sensor	PYTHON 5000
Shutter	Global Shutter
Max. Image Circle	1"
Sensor Type	CMOS
Sensor Size	12.4 mm x 9.8 mm
Resolution (HxV)	2590 px x 2048 px

Sensor

Resolution	5 MP
Pixel Size (H x V)	4.8 μm x 4.8 μm
Frame Rate	60 fps
Mono/Color	Mono

EMVA Data

EMVA Quantum Efficiency (typical)	55.0 %
Dark Noise (typical)	11.4 e ⁻
Saturation Capacity (typical)	7.9 ke ⁻
Dynamic Range (typical)	56.8 dB
Signal-to-Noise Ratio (typical)	39.0 dB

Camera Data

Interface	USB 3.0
Pixel Bit Depth	10 bits
Synchronization	<ul style="list-style-type: none">■ hardware trigger■ free-run■ software trigger
Exposure Control	<ul style="list-style-type: none">■ programmable via the camera API■ hardware trigger
Digital Input	1
Digital Output	1
General Purpose I/O	2
Power Requirements	<ul style="list-style-type: none">■ Via USB 3.0 interface
Power Consumption (typical)	3.5 W

Housing

Housing Type	Box
Housing Size (L x W x H)	29.3 mm x 29 mm x 29 mm
Lens Mount	<ul style="list-style-type: none">■ C-mount
Housing Temperature	0 - 50°C
Weight (typical)	80g

Conformity

Conformity

- CE
- RoHS
- GenICam
- IP30
- FCC
- USB3 Vision
- UL
- KC