



## acA5472-17um - Basler ace

The Basler acA5472-17um USB 3.0 camera with the Sony IMX183 CMOS sensor delivers 17 frames per second at 20.0 MP Resolution.



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### General Information

Order Number	107771
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Product Line	ace U
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### Sensor

Sensor Vendor	Sony
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Sensor	IMX183
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Shutter	Rolling Shutter
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Max. Image Circle	1"
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Sensor Type	CMOS
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## Sensor

Sensor Size	13.1 mm x 8.8 mm
Resolution (HxV)	5472 px x 3648 px
Resolution	20 MP
Pixel Size (H x V)	2.4 $\mu\text{m}$ x 2.4 $\mu\text{m}$
Frame Rate	17 fps
Mono/Color	Mono

## EMVA Data

EMVA Quantum Efficiency (typical)	75.6 %
Dark Noise (typical)	3.0 $\text{e}^-$
Saturation Capacity (typical)	14.8 $\text{ke}^-$
Dynamic Range (typical)	72.0 dB
Signal-to-Noise Ratio (typical)	41.7 dB

## Camera Data

Interface	USB 3.0
Pixel Bit Depth	10 / 12 bits bits
Synchronization	<ul style="list-style-type: none"><li>▪ free-run</li><li>▪ hardware trigger</li><li>▪ software trigger</li></ul>
Exposure Control	<ul style="list-style-type: none"><li>▪ programmable via the camera API</li><li>▪ hardware trigger</li></ul>
Digital Input	1
Digital Output	1
General Purpose I/O	2
Power Supply	<ul style="list-style-type: none"><li>▪ Via USB 3.0 interface</li></ul>

## Camera Data

Power Requirements (typical)	2.9 W
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## Housing

Housing Type	Box
Housing Size (L x W x H)	29.3 mm x 29 mm x 29 mm
Lens Mount	▪ C-mount
Operating Temperature	0 - 50°C
Weight (typical)	80g

## Conformity

Conformity	<ul style="list-style-type: none"><li>▪ RoHS</li><li>▪ USB3 Vision</li><li>▪ FCC Class B</li><li>▪ CE</li><li>▪ IP30</li><li>▪ KC</li><li>▪ GenICam</li><li>▪ UL</li><li>▪ EAC</li></ul>
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