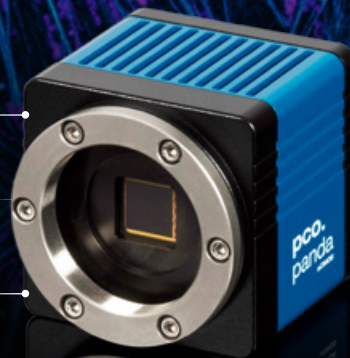


**pco.panda**  
true sCMOS compact

up to 80%  
quantum efficiency

USB 3.1  
interface



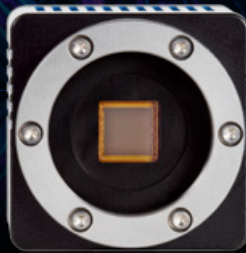
65 mm

ultra  
compact  
design

**pco.**



true **sCMOS** compact



65 mm

**ultra  
compact  
design**

pioneer in **sCMOS** image sensor technology

## Technical Specifications

pc<sub>o</sub>.panda

<b>type of sensor</b>	customized scientific CMOS (sCMOS)
<b>resolution</b>	2048 x 2048 pixels
<b>pixelsize</b>	6.5 $\mu\text{m}$
<b>sensor format</b>	13.3 x 13.3 mm
<b>shutter mode</b>	rolling shutter
<b>fullwell capacity</b>	45 000 e <sup>-</sup>
<b>quantum efficiency</b>	up to 80 %
<b>read out noise</b>	< 2 e <sup>-</sup>
<b>dynamic range</b>	> 87 dB
<b>frame rate @ full resolution</b>	> 40 fps
<b>exposure / shutter time</b>	100 $\mu\text{s}$ .. 1 s
<b>dynamic range A/D</b>	16 bit
<b>data interface</b>	USB 3.1 Gen 1 (with power via USB)
<b>power consumption</b>	< 5 W
<b>weight</b>	approx. 450 g (without lens adapter)
<b>optical input</b>	C-mount, F-mount

pc<sub>o</sub>.

# find us



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