

pco.panda
true sCMOS compact

up to 80%
quantum efficiency

USB 3.1
interface

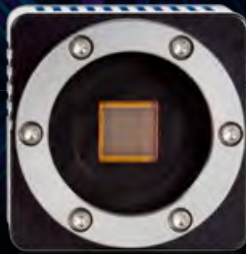


65 mm

ultra
compact
design

pco.

true **sCMOS** compact



65 mm

**ultra
compact
design**

pioneer in **sCMOS** image sensor technology

Technical Specifications

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

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find us



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