

pco.panda 26

ultra compact global shutter
sCMOS camera

dust-protected
housing

available in
mono and color

65 mm

ultra
compact
design

high resolution
5120 x 5120 pixel

true charge domain
global shutter



| | |
|--------------------------|---|
| resolution (h x v) | 5120 x 5120 active pixel |
| pixel size (h x v) | 2.5 μm x 2.5 μm |
| sensor format / diagonal | 12.8 mm x 12.8 mm / 18.1 mm |
| fullwell capacity | 4500 e^- |
| readout noise (typ.) | 2.3 e^- med / 2.5 e^- rms |
| dynamic range (typ.) | 66 dB |
| quantum efficiency | 65 % |
| dark current (typ.) | 3 e^- /pixel/s @ 21 °C ambient temperature |
| DSNU | < 1 e^- rms |
| PRNU | 1.2 % |
| frame rate | 7.1 fps @ full resolution |
| exposure / shutter time | 5 μs .. 20 s |
| dynamic range A/D | 12 bit |
| non linearity | < 0.6 % |
| cooling method | passive cooled |
| data interface | USB 3.1 Gen 1 |
| power delivery | power over USB 3.1 Gen 1 |
| power consumption | typ. 4.5 W (max. 6.0 W) |
| weight | 600 g |

