

pco.edge 26 CLHS

true global shutter sCMOS camera

1288
EMVA Standard Compliant

CAMERA
LinkHS®



high resolution
5120 x 5120 pixel

high speed
150 fps

parasitic light sensitivity
1:10,000

temperature-stabilized
image sensor

fiber-optic
data interface

interface	CLHS FOL
sensor technology	sCMOS
color type	monochrome
resolution [pixel]	5120 x 5120
sensor diagonal [mm]	18.1
pixel size [µm]	2.5 x 2.5
max. frame rate @ full resolution [fps]	150
max. pixel rate [MPixel/s]	4608
peak QE	72 % @ 500 nm
typ. read noise¹ [e⁻]	3.2
dark current @ sensor temperature [e⁻/pixel/s]	0.7 @ +10 °C
max. dynamic range	2000 : 1
shutter type	GS (Global Shutter)
sensor cooling²	air & water
parasitic light sensitivity	1 : 10,000
dimensions H x W x L [mm]	95 x 90 x 109
additional options	double shutter, lens control

¹ The readout noise values are given as median (med).
All values are raw data without any filtering.

² air = air forced with fan | water = external water connection

26 Mpixel high-speed streaming

High-speed and high-resolution streaming at the same time – the pco.edge 26 CLHS offers the best of both worlds and much more.

The newest member of our highly successful pco.edge series combines the image quality of a 26 MPixel image sensor with unrivaled data transfer options. Its 4 CLHS FOL channels – all aligned in one compact plug – can be selected from 1 to 4 at a time and are capable of transmitting up to 4.9 GByte/s. These advantages do not result in a loss of image quality as the camera operates at minimum read noise and dark current.

All these features make the pco.edge 26 CLHS a powerful solution for numerous applications in life science and physical science.



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