

pco.dimax 3.6 ST

advancement through high-speed streaming

1288
EMVA Standard Compliant



high-speed imaging

2166 fps @ 3.6 MPixel

excellent sensitivity

large pixels with 11 μm size

high fullwell capacity

up to 60,000 electrons

lossless image details

uncompressed 10-bit data

no internal storage limitations

real-time streaming over 8x10G fiber

resolution	1984 pixel x 1808 pixel
sensor size	21.8 mm x 19.8 mm
sensor diagonal	29.5 mm
pixel size	11 μm x 11 μm
shutter mode	global shutter
frame rate	2166 fps
fullwell capacity	60,000 e ⁻
peak QE (sensor)	68 % @ 620 nm
spectral range	340 nm - 1100 nm
readout noise	< 65 e ⁻
dark current	< 250 e ⁻ /s/pixel @ 25 °C
exposure time	10 μs to 10 ms
dynamic range A/D	10 bit
data interface	Camera Link HS (FOL)
dimensions	145 mm x 145 mm x 141 mm

Exploring the unseen

Introducing the pco.dimax 3.6 ST, an advanced high-speed streaming camera designed to deliver unprecedented performance. With an impressive recording speed exceeding 2000 frames per second at a full resolution of 3.6 MPixel, this camera sets new standards in high-speed imaging.

Experience the precision of uncompressed image data transmitted in real-time via the Camera Link HS interface over 8x10G fiber optics. This streaming capability enables immediate feedback and data analysis, making it a valuable tool for capturing and studying fast-moving phenomena in both scientific and industrial applications.



pco.

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