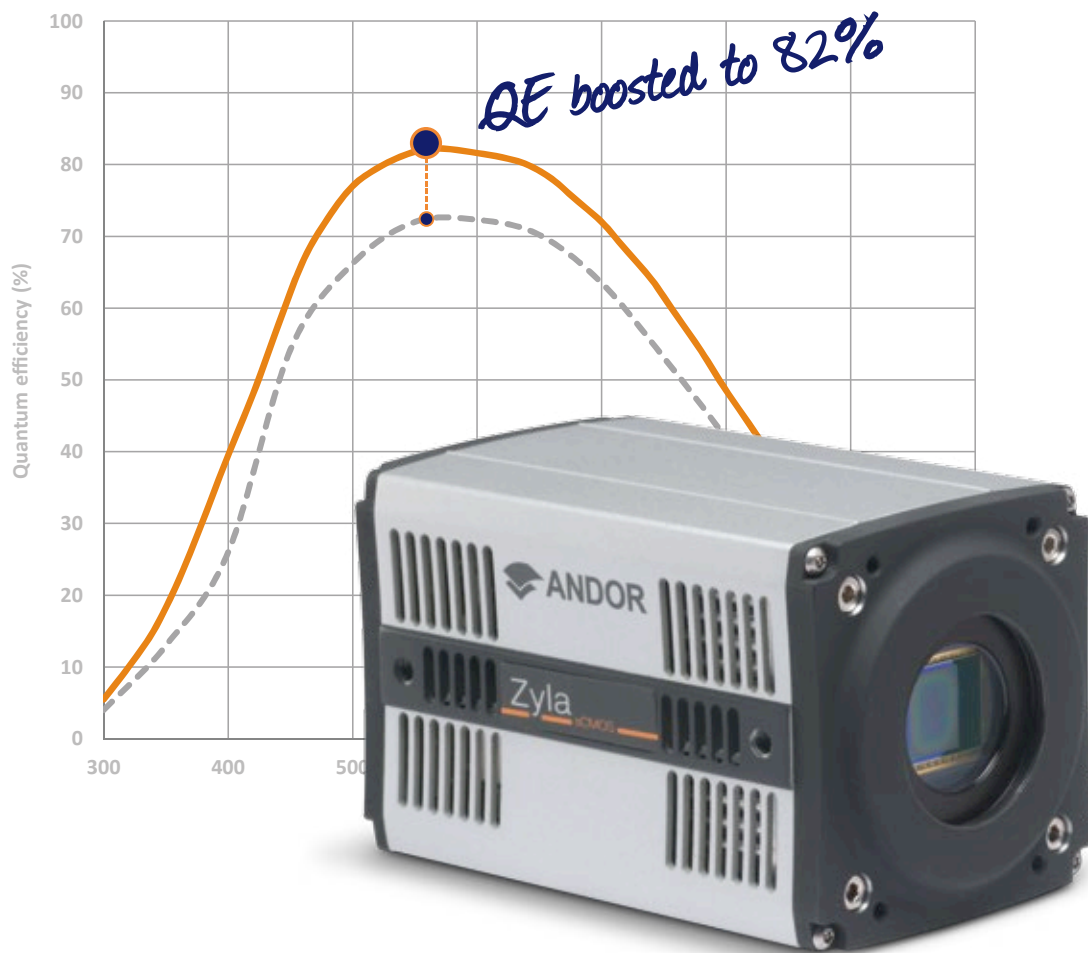


The ultimate sCMOS camera

82% QE and Industry Fastest Speed



Key Applications For Biologists

- Ion Imaging
- Super Resolution Microscopy
- Lightsheet Microscopy
- TIRF Microscopy
- High Content Screening
- Widefield Fluorescence Microscopy

Key Applications For Physicists

- Particle Imaging Velocimetry (PIV)
- Lucky Imaging & Solar Astronomy
- Bose Einstein Condensation
- Adaptive Optics
- Fluorescence Correlation Spectroscopy
- X-ray / Neutron Tomography

andor.com/zyla



ANDOR
an Oxford Instruments company

Zyla 4.2 PLUS

4.2 Megapixel

82% QE

100 fps sustained (CL-10);
53 fps through USB 3.0 interface

FCS mode: 26,041 fps

>99.8% Linearity

0.9 e⁻ read noise

0.14 e⁻/p/sec dark current

33,000:1 dynamic range

Ultra low fan vibration

LightScan PLUS

Zyla 5.5

5.5 Megapixel

60% QE

100 fps sustained (CL-10);
40 fps through USB 3.0 interface

FCS mode: 27,057 fps

Rolling and true Global Shutter

1.2 e⁻ read noise

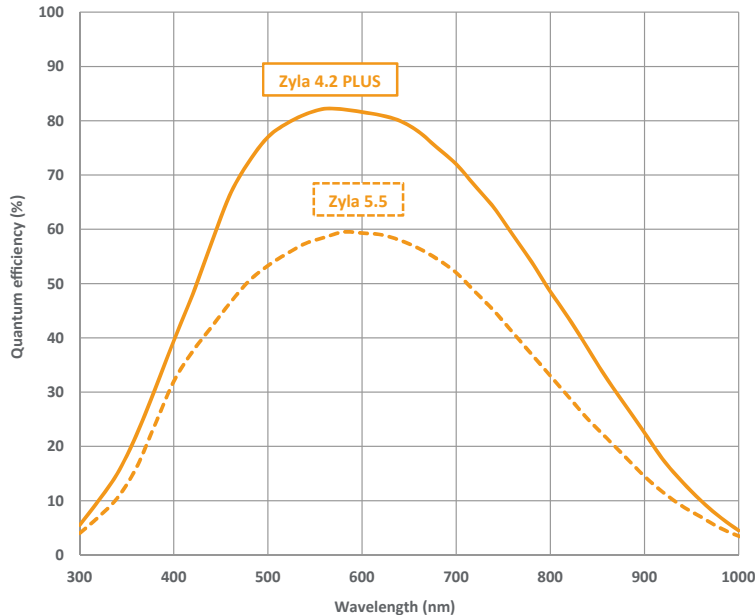
0.14 e⁻/p/sec dark current

25,000:1 dynamic range

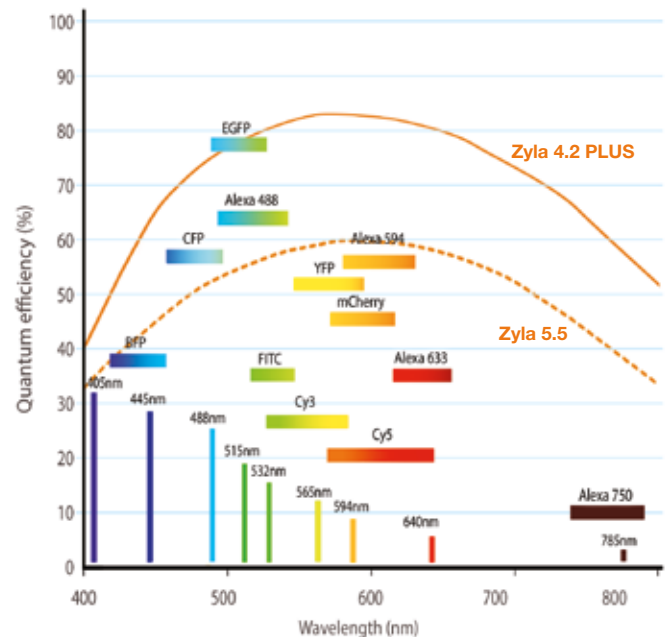
Ultra low fan vibration

For full frame rates, please refer to the Zyla sCMOS specification sheet online at andor.com.

Quantum Efficiency (QE) Curve



QE vs. Fluorophore Emissions



Contact Us

Head Office

7 Millennium Way
Springvale Business Park
Belfast,
BT12 7AL
Northern Ireland

Tel: +44 (28) 9023 7126
Fax: +44 (28) 9031 0792

North America

300 Baker Avenue
Suite 150
Concord
MA 01742
USA

Tel: +1 860-290-9211
Fax: +1 860-290-9566

Japan

5F IS Building
3-32-42 Higashi-Shinagawa
Tokyo 140-0002
Japan

Tel: +81-(0)3-6732-8968
Fax: +81-(0)3-6732-8939

China

Unit 1, Building A,
Qing He Shun Shi Jia Ye Pioneer Park,
No. 66 Zhu Fang Road, Haidian District,
Beijing 100085
P. R. China

Tel: +86 (0)10-5129-4977
Fax: +86 (0)10-6445-5401