sCMOS CAMERA
DECISION CHART

Highest Sensitivity

Do you need to maximize Quantum Efficiency?

- ✓ **Super-resolution**
- ✓ **TIRF**
- ✓ **Reduced photo-bleaching**

Low Vibration

Is your experiment vibration sensitive?

- ✓ **Super-resolution**
- ✓ **Patch Clamp**
- ✓ **Combined Optical / AFM**

Note: All Zyla cameras are available as water-cooled variants

Deep Cooling

Deep cooling ensures the lowest noise floor is maintained across all exposure conditions.

Is your camera ever to be used for exposures longer than 1s?

Is the application particularly sensitive to extensive correction of hot spots?

- ✓ **Luminescence**
- ✓ **Super-resolution (reduced hot spots)**
- ✓ **Astronomy**

Fastest Frame Rates

Does your application require > 40fps sustained at full resolution?

- ✓ **Ion signalling**
- ✓ **Super-resolution**
- ✓ **Light Sheet**
- ✓ **Voltage sensitive dyes**
- ✓ **Lucky astronomy**
- ✓ **Adaptive optics**

Global Shutter

Does your application involve synchronisation to peripheral devices?

Imaging of fast moving objects of significant size?

- ✓ **Cell Motility**
- ✓ **Flow measurements**

Temporal correlation across the image area?

- ✓ **Electrophysiology**

Sub-microsecond inter-frame gap

- ✓ **Particle Imaging Velocimetry**

Cost-Effective

Are you on a tight budget?

Are you looking for pricing similar to interline CCDs?

Zyla 4.2 PLUS
(10-tap)
ZYLA-4.2P-CL10

Zyla 4.2 PLUS
(USB 3.0)
Zyla-4.2P-USB3

Neo 5.5
(3-tap)
DC-152Q-C00-FI

Zyla 5.5
(10-tap)
ZYLA-5.5-CL10

Zyla 5.5
(USB 3.0)
ZYLA-5.5-USB3