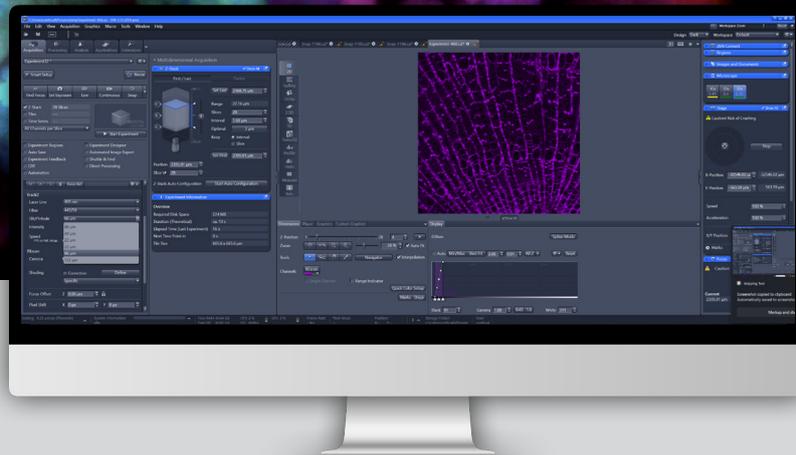


# Line REscan in ZEN



**All through ZEN**  
Acquisition & analysis

**Image fast**  
Rapid cellular dynamics

**Go 1 mm deep**  
Minimal phototoxicity

**Reach 95% QE**  
sCMOS-based detection



## Fast and gentle live cell imaging through ZEN workflow

### Control your Line REscan confocal microscope

Easily control your REscan confocal unit, lasers, and cameras, thanks to the seamless integration.

### Observe rapid dynamics

Achieve fast acquisition for live samples without switching software environments.

### Image deep with close to zero phototoxicity

Reach up to 1 mm deep in your sample with gentle conditions for live samples.

### Analyze your data

Use ZEN analysis toolkit either on standalone Line REscan confocal or in combination with Airyscan.

## AION

The new standard in confocal microscopy



>130 fps at 2304 x 2304 px

FN22 on Axio Observer

Switchable pinhole, perfect confocality with any objective

Up to 8 lines 400-1100 nm (VIS & NIR)

## NL5+

Deep and fast 3D live cell imaging



40 fps at 2048 x 2048 px

FN18 on Axio Observer

Motorized filter wheel with 6 or 7 position for 25 mm filters

Up to 4 laser lines (400-750 nm)

Over 1000 fps fixed line (camera limited)

95% QE sCMOS detection

Motorized widefield/confocal switch

Low phototoxicity

### Ideal for:

Complex experiments demanding versatile solutions, VIS & NIR experiments, Fast events across wide FOV

### Ideal for:

Live cell time lapse, Thick samples, Deep imaging, Demanding 3D datasets, Fast signaling with fixed line speed

## ZEN workflow: one platform complete control

1 On the Acquisition tab, choose REscan 2 Find your sample in Continuous or Live mode 3 Configure Tracks 4 Set slit size, laser intensities, and acquisition speed 5 Set multi point, time lapse, z stack, or tiling 6 Analyze the data in ZEN environment.



## Applications

- Cell biology • Developmental biology • Live cell imaging • Deep Live cell imaging in Super resolution • Neurobiology
- Plant biology • Ca<sup>2+</sup> imaging • C. elegans • Organoids • Cleared tissue