Important Parameters of Yen lab’s microscopes

**NIKON eclipse TE 2000-U**

At 100x, 10 µM = 56 pixel
At 60x, 10 µM = 37 pixel
At 40x, 10 µM = 25 pixel

*For deconvolution settings: 100x*

Lens: 1.4 ; Refractive Index: Oil (1.515)
N/A

X Y spacing:

Horizontal distance –
17.5438 µM = 100 pixels ➞ 0.175µM/pix

Vertical distance –
17.5438 µM = 100 pixels ➞ 0.175µM/pix

**Confocal spinning disk**

At 60x, 10 µM = 96 pixel

*Note: µM = micro-meter
100x = magnified by 100-fold*