

📋 🗆 XY Basic Leave as normal normal bi-dir options: line Pixel dwell: the longer the dwell, the slower 1.68 us 🔳 0.998 fps pixel dwell the laser scans = brighter image, faster 636.5 um 🔳 1.00 x field zoom bleaching. To start with, leave it at minimum 512 Y: 512 160 256 512 1024 2048 steps X:

Averaging

Default image size is **512x512 pixels**. Larger = higher resolution, larger file, slower scan. Smaller = faster scan, smaller file, lower resolution.

XY. Line Channel Average Frame Channel Z Time Averaging will stop after set number of scans, Reset Current Count: 8 after the image reaches a set quality, or Stop at Count: 8 🖛 when additional iterations are no longer 12.3 dB Current Quality: improving the quality of the image (whichever Stop at quality: 12 dB happens first) Stop when Quality decreases To start with, set quality to 12dB To scan with averaging: 1. select Average Setting up Z-stacks 2. hit Single UP While scanning Live: 1. focus to mid -plane of sample, hit the red box next to "Ref" (sets zero point) idle Live 2. hit bottom, then focus to the bottom of the sample Line Channel 3. hit top (it will take you back to 0.00), Single Average. Note: then focus to the top of your sample. Frame Ch The software selects the Trigger 4. Stop Live Z-stack optimal step size. Step Clear Time size can be changed to reduce total number of XY. Line Channel Average Frame Channel To make a z-stack: steps and total file size. Z-Drive of TE2000 1. Select Z-stack To keep small steps but 2. Select Average reduce step number. 12.70 um 🗊 Ref 0.00 Position range (top-bottom) can (if desired) Steps 83 ÷ be reduced. 3. Hit Single 🖸 🔟 Top 12.60 0.35 um 🕂 Step Size N 🗇 🖬 🖬 🗇 -16.10View Range 29.05 um ≑ Info Col 🔿 🗊 Index | 1 File Size 174.064 MB View 2D image ▼ Axis • хγ Zoom To view the stack: Position X. 200 🔳 Þ Select the View tab. Choose a view y. 285 🔳 ۲ In 2D image view, you can scroll through the steps z 9 🔳 Þ using the z slider bar, or hit the play button to 1 🔳 \mathbb{P} animate In 3D orthogonal view, you can move the cross Update Position to new Acquired Data Animate: hairs to see data from all three dimensions Synchronize Position of other Views Ŧ Show Cursor



Time Series

You can choose number of images taken (Frame count) and time between images (speed). Together these make up the total duration of the time series.



Other functions and Trouble shooting

Info Color View Color Mode:: Multi Channel Pseudo Color 💌 Options: 🔽 Add saturation indicator	You can display each channel in a different window (get new windows from the main toolbar: Window > New) or as an overlay in one window.			
Intensity Scaling Channel Color				
Add spots to the image to see the spectra here.		To choose which channels are visible in a window, click on the window, then go to the color tab, select the Channel Color tab, and click on the eye symbols to turn channels on		
515/30 590/50 650LP T	rans	and off in th	at window.	
	4	Red green and blue channels all visible as an overlay		
Color Lists: Default Colors (read-only) Custom Colors of Colors	4	Only red ch ↓	annel is visi	ble
Giroup Channe	515/30	590/50	650LP	Trans
Rename New Delete				
	1	2	3	4
			9	<u>a</u>