







APD Detectors physically located here. Dlchroics have been included and BP of filters is listed on Dichroic. Empty Dichroic was included for custom filtersets.

Motorized Dodt Contrast can be used with MP excitation. This gives you a contrast "brightfield" image. This device can be turned on at any time during the imaging process when needed.

NDD Box Turns on the following detectors: NDD TLD and NDD RLD This box must be turned on before

High power EOM This device must be turned on to control the power of the MP laser. This also enables the user to do ROI scanning / bleaching with the MP laser. This device can be turned on when needed but should be turned off when the MP laser is not being used since it uses very high voltage.

High QE APD Detectors. These detectors can be turned on when needed. There is no need to turen them on or off in a specific order. The power switch in the front (shown) is the main power swtich for the box. In the back you have the ability to turn on either Ch 1 or Ch2 or both. These detectors are VERY sensitive so they are ideal for low signal conditions.

MP laser power key. If you are going to use the MP laser you must turn this key from Standby to the ON position. **This will not power up the laser. The laser must be powered through the software due to safety interlock rules

Power switch Black and Orange should not be turned off unless directed by SP or Leica.

Critical alignment mirror. Don't bump or put anything near this component

MP Laser Pre Comp control knob



NDD Detectors

NDD Power supply. If you plan to use the NDD Detectors you must turn this power switch on before the scanner is powered on.

If you forget to turn this on and you need it: Close software Turn off Scanner Power -> Turn on NDD box -> Turn on Scanner supply green switch -> Start up software.

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Individual Power Switches for APD Detectors. Main power supply switch is on the back of the box. These detectors can be turned on at any time and should only be powered on when needed. They are very sensitive with a high QE.

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NDD TLD (Non Descan Detector Trandmitted Light Detector) Used in MP imaging Removable Dichroic in the detector box. SP 680 dichroic supplied so that you can install custom filtersets. DIC prisms are not included here so this silver ring will not do anything. Your system has been upgraded to include Motorized Dodt contrast instead which can be used with MP laser.

> Condenser centering screws Used for proper Koehler Illumination.

Condenser positioning knobs. Raise or lower the entire unit. Please note on upright stages you must be careful to set this height correctly. Also key in setting Koehler illumination.

Put this manual slider in this position if you are using MP laser and you would like to detect fluorescence in the Transmitted direction. IR light will pass through the dichroic and can be detected in the Brightfield detector for simultaneous Fluorescent and Brightfield overlay.

Put the manual slider in this position if you are looking in the microscope eyepieces and want to see brightfield illumination.

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> Inner manual stage control. This stage can be removed and replaced with a flat plate.

