

SLICE Unboxing and Setup Guide

1. Unpack SLICE microscope, accessory box, and PC
2. Connect cables and power supply



- a. Connect two white USB-C cables to the rear ports of the SLICE microscope labeled **Left Projector** and **Right Projector**.
- b. Connect the other ends of these cables to the rear USB-C ports on the PC.
- c. Connect black USB-A cable to the SLICE microscope port labeled **USB HUB**, and the other end to a rear USB-A port on the PC.
- d. Connect the power supply to the SLICE microscope port labeled **POWER IN** and plug it into the outlet.

3. Camera Installation **note: please wear gloves for this step**

- a. Open the black camera case and take out the camera.

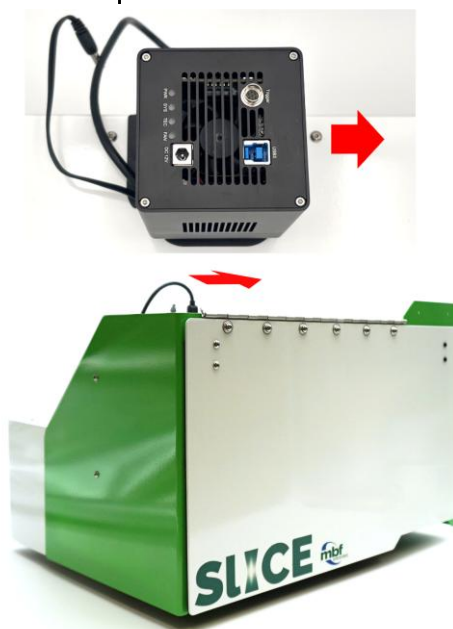


- b. Remove the black rubber protective cap from the camera and keep camera sensor facing downwards.

- c. Remove the green dust seal from the top port of the SLICE microscope.



- d. Mount camera onto the top port and screw it by turning entire camera clockwise. Continue turning until camera is seated and facing right side of the SLICE microscope.

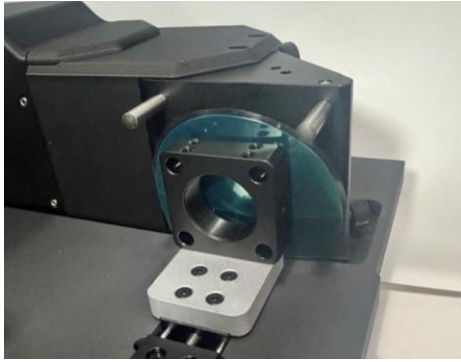


- e. Connect the camera power cable coming out of the system to the DC12V port on the camera.
- f. Connect the camera USB cable to the USB-B port on the camera, and the USB-A end to one of the rear ports on the PC.



4. Install Illumination Objectives

- a. Open the door of the SLICE microscope and gently remove foam.
- b. Starting with the illumination objective on the right-hand side, remove the objective cover by pulling towards the center of the SLICE, then remove the green dust seal behind the objective mount.



- c. Unlock the objective translator by loosening the set screw in red circle using the 1.5-mm black hex key in the accessory box. Loosen the screw just enough so the translator can move with some resistance.



- d. Remove the 5x illumination objective from SLICE box and screw it into the objective mount, then reinstall the objective cover.
- e. Repeat Steps b-d and install left illumination objective.

5. Install Detection Objective

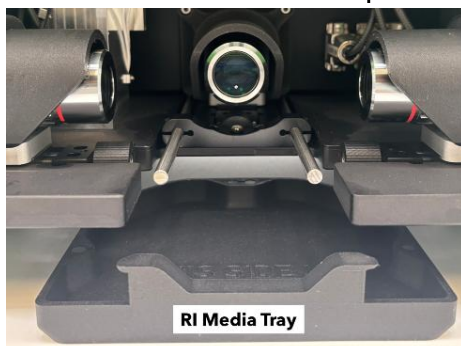
- a. Carefully remove transparent yellow security tape from the piezo stages, then push stage upwards gently.



- b. Remove the detection objective cover and the dust seal behind the objective mount, unlock translator, and install the 10x detection objective. Re-install the cover.

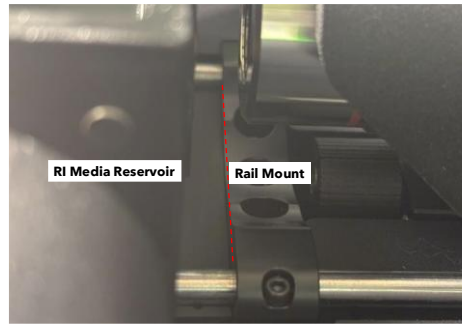
6. Refractive Index (RI) Media Reservoir Setup

- a. Remove the RI Media tray by pulling it forward slightly, then lower it down from the SLICE microscope.

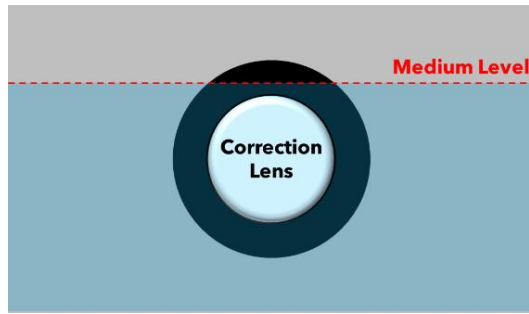


- b. Remove RI Media Reservoir from packaging.
- c. Orient the RI Media Reservoir so that the flat glass window faces toward the front.

- d. Fully insert the RI Media Reservoir into the rail track so there is no gap between RI Media Reservoir and rail mount.



- e. Fill the RI Media Reservoir with RI medium until its level is above the correction lens. Make sure there are no bubbles in the RI Media Reservoir.



7. For the next steps including alignment, sample mounting, and image acquisition, please see the BrightSLICE user guide.