



## Stereoscope manual

### Power-up protocol

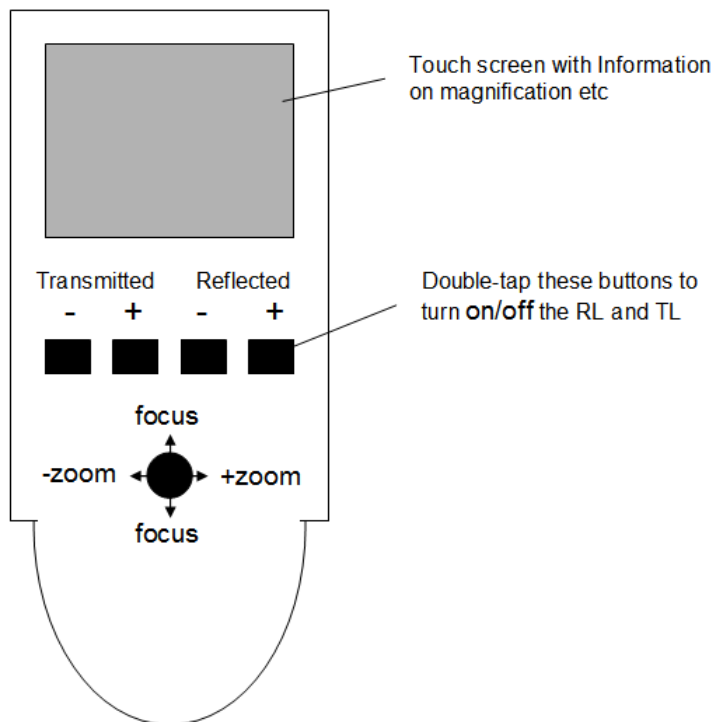
1. Mercury Arc Lamp
2. EMS-1 (the electronics controlling the scope)
3. Transmitted and/or reflected light sources as required
4. Log on to PC if you want to capture images

*The mercury arc lamp has to be on for at least 30 min. Turning off the bulb before it is fully heated reduces the life of the bulb.*

*The arc lamp also should not be turned on when hot, it needs to cool for 30 min before turning back on.*

### Visualizing your sample

- Check the eyepiece/camera switch is set appropriately
- Use the SyCoP to control the stereoscope



For visualizing fluorescence:

- Tap "function" then "fluorescence" on the Sy.Co.P
- Choose red or green filters
- Tap close shutter

## Capturing images

Open AxioVision

Establish appropriate illumination either on the SyCoP or using the software by clicking the **TL, RL, Green, Red** buttons.

Click **Live** to see live image. Exposure sets exposure time automatically. Click **Snap** to take an image.

Save the images you want in a TIF format.

## Finishing and shutting down

- Clean the stage if necessary
  - If there is another user scheduled within one hour - double tap RL and TL to off, log off computer and leave the system on
  - If the lamp has been on for at least 30 min and nobody is scheduled for an hour:
1. Log off computer
  2. turn off EMS-1
  3. Turn off TL and RL sources
  4. Turn off mercury arc lamp