STEPS NECESSARY TO CAPTURE AN IMAGE AND SAVE TO FILE

1. PROPER LIGHT LEVEL (PG 2, step1)

2. WHITE BALANCE (PG 2, step3)

3a. SCALEBAR: TO MAKE VISIBLE & SAVE ON IMAGE (PG 5, step2)

4. SET FILE DIRECTORY (PG 4, step3)

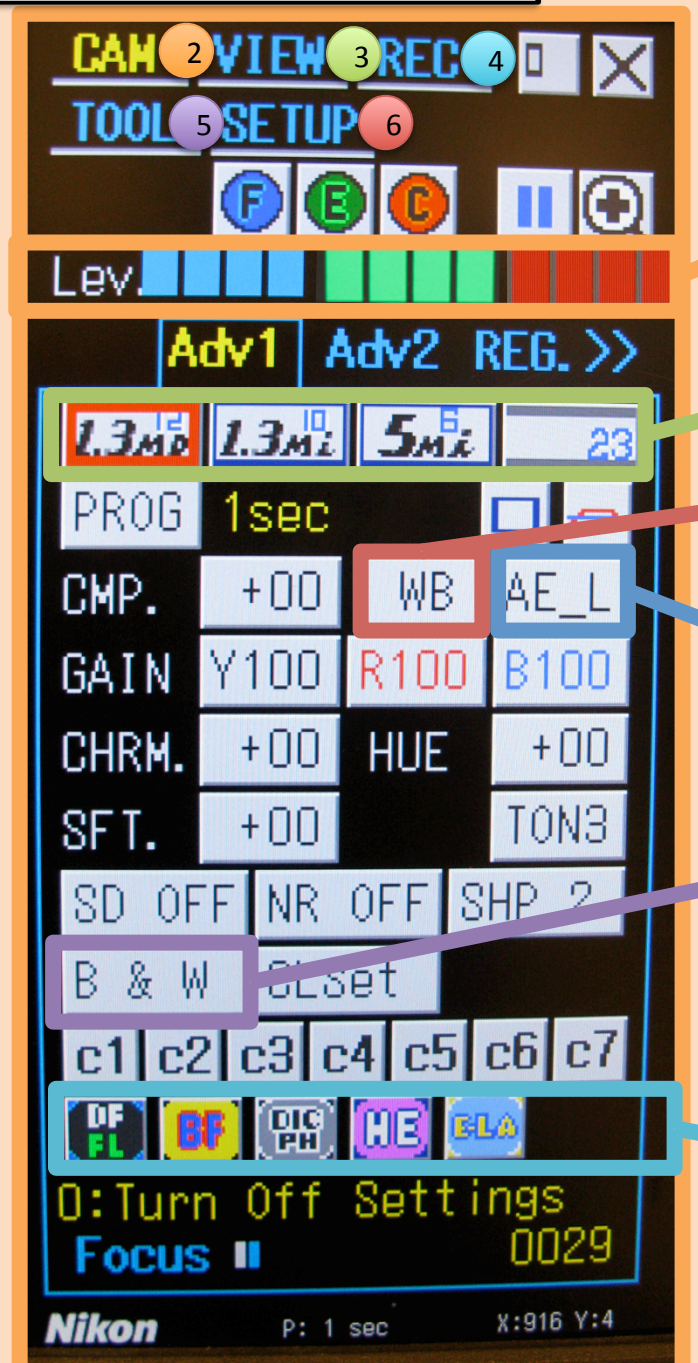
5. SET FILE NAME (PG 4, step3)

6. ADJUST SIZE AND FILE TYPE (PG 4, step3)

6. Click on the “Save” button in software or “Capture” button on unit (PG4, step2)

PLEASE KEEP WITH MICROSCOPE

CAMERA MENU: For adjusting image settings



1. Light Lev. : Make sure the light level is GREEN
- Blue: under exposure
- Red: over exposure

2. Adjust scan rate here

3. White Balance: It is important to adjust the white balance to calibrate the image to the given light source
- Defocus your image OR place white paper under microscope

4. AE_L: Turn off auto exposure level control

5. Change from full color imaging to black&white, sepia tone, negative, inverse, etc.

6. Presets for Camera settings: Depending on type of light source or materials surface
-BF: Brightfield
-DF FL: Darkfield and Flouresence
-DIC PH: Enhanced contrast in Differential interference and phase contrast

VIEW MENU: For viewing your saved images

1. To return to a live image after viewing a saved image, click on the pause button.

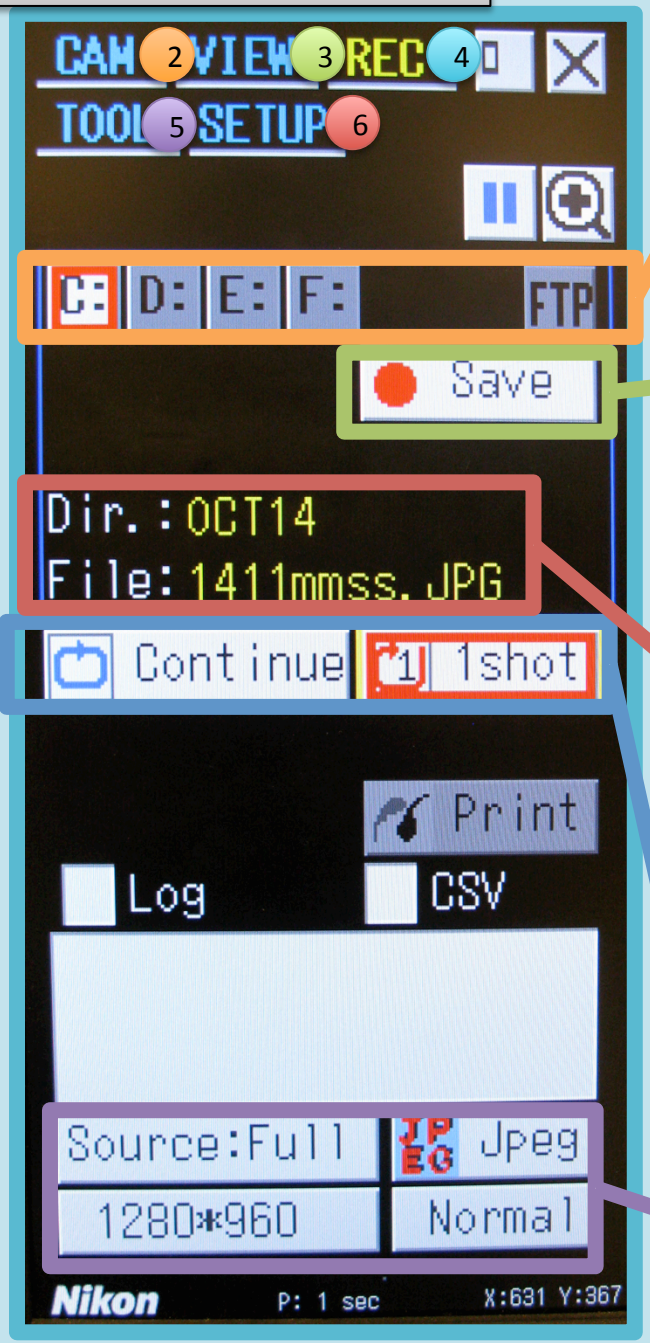
2. Zoom in and out of current image
Left click (+ zoom), right click (-zoom)

3. Choose the appropriate drive for your images and click on directory name to navigate inside folder

- Click on image name to view file.

*Note: If saving a scale bar on your image is desired, make sure it is visible. To make visible, turn the scale bar on under the Tool tab (pg.4).

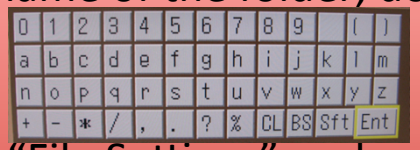
RECORD MENU: For saving your images



1. Choose drive for saving image:
- C: CF Card
- D…F: USB for computer

2. Click on "Save" button or "Capture" button on unit to save an image to CF card
- When image is saved properly "Save to Card" appears on top right of screen

3. Dir. And File: For taking a single image click on top of directory name to change the name of the folder, do the same for a file name.

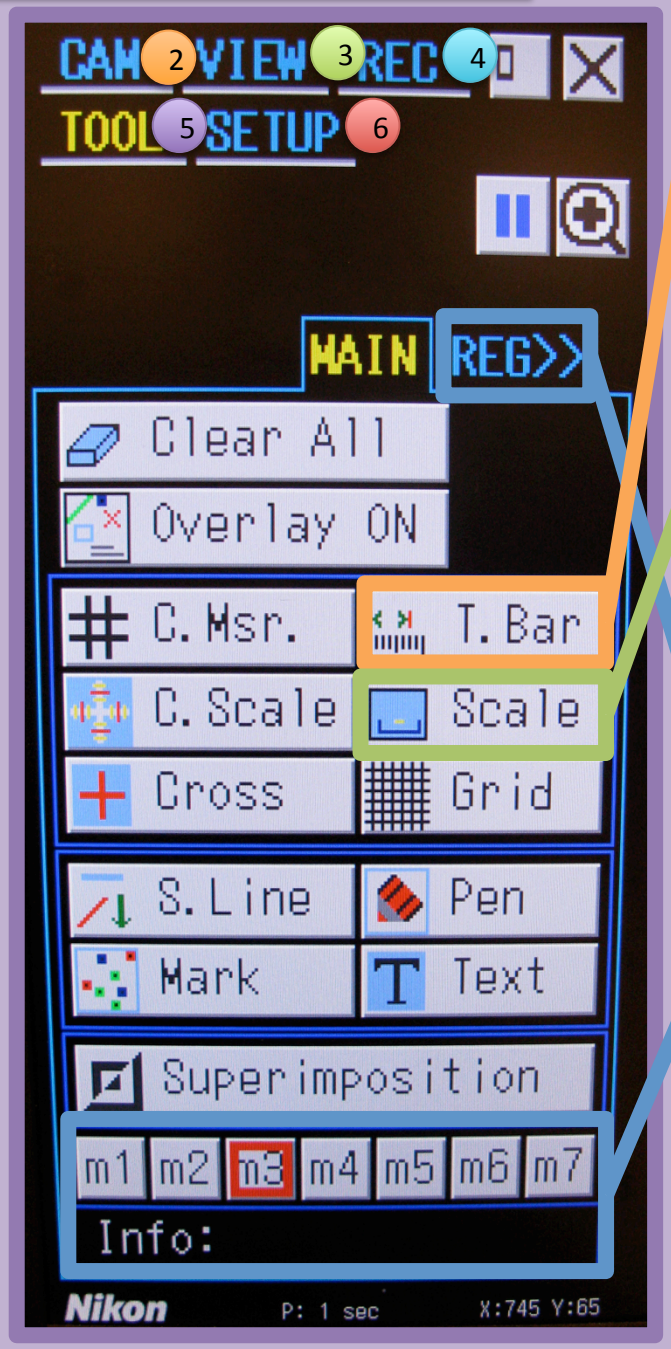


For batch file naming, refer to "File Settings" under "Setup" Tab (pg5)

4. 1shot: Single photo will be taken, press "Continue" for continuous imaging: then adjust number of images and time interval

5. Change File types: Jpeg, bmp or tiff
- 3 file sizes: 640x480, 1280x960, 2560x1920
- Adjust Jpeg compression: Fine, normal, coarse, etc.

TOOL MENU: For scale bars and measurements

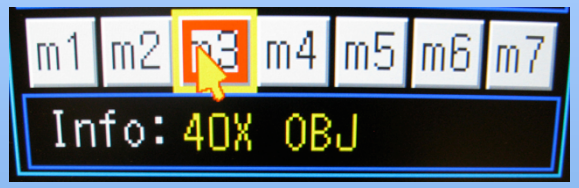


1. Click “T. Bar” button to bring up measurement bar:

2.To make scale visible on screen. This will also save the scale bar on your image.

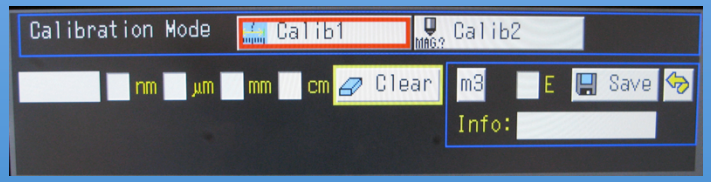
3. Choose a scale for your given magnification:

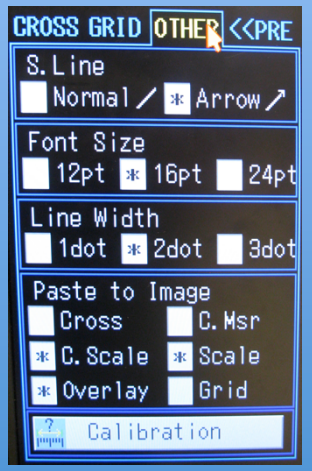
- M1: 5X Obj.
- M2: 10X Obj.
- M3: 40X Obj.
- M4:100X Obj.



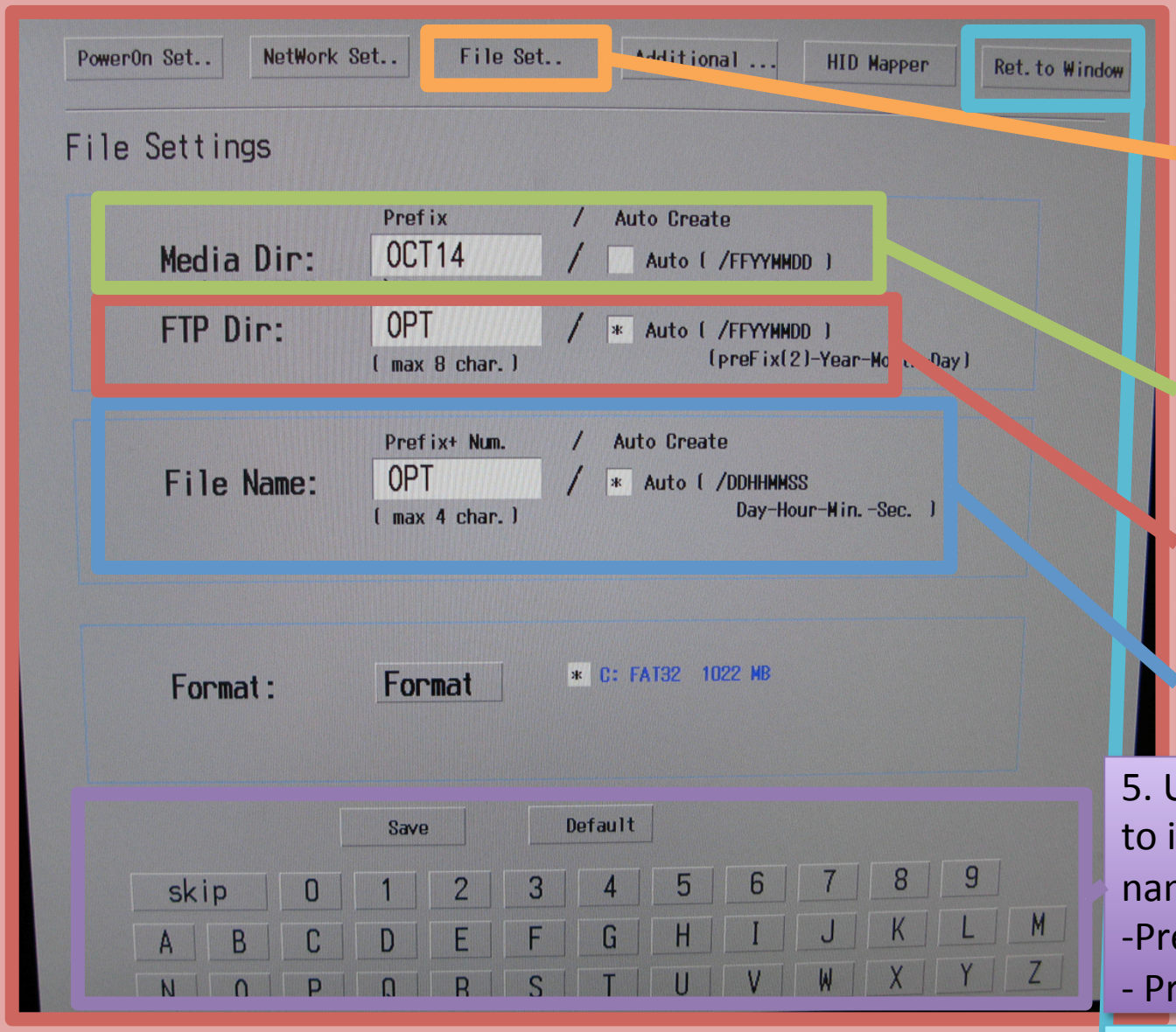
-To make sure the correct which magnification is chosen, look at “Info” section

- To calibrate scale bar:
- Click “Reg” tab and go over to “Other” tab
- Click “Calibration”





SETUP MENU: Various settings can be made to device



1. Main use of setup will be in the "File Settings" tab, where we can change batch folder and file information

2.Change Media directory information for batch imaging

3. ***No FTP storage location***

4. Change file name for batch imaging

5. Use alpha numeric keyboard to input text for folder and file names
-Press "skip" to leave keyboard
- Press "Save"

6. Ret. To Window: To exit setup tab