

## 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 (PG 5, step4)

3b. SCALEBAR: SAVE ON IMAGE (PG 4, step5)

4. SET FILE DIRECTORY (PG 4, step1)

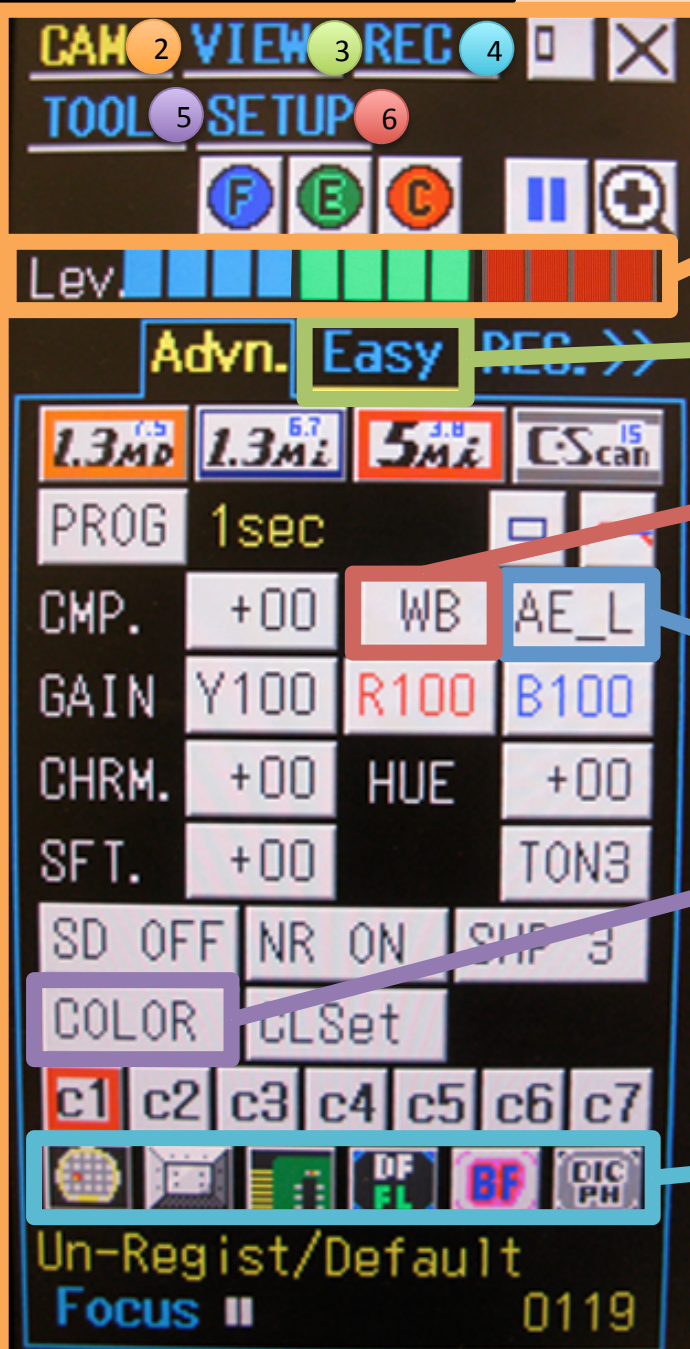
5. SET FILE NAME (PG 4, step3)

6. ADJUST SIZE AND FILE TYPE (PG 4, step6)

6. Click on the “CF” button in software or “Capture” button on unit (PG4, step1)



\*\*\*PLEASE KEEP WITH MICROSCOPE\*\*\*



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

2. Easy: Initial view shows basic options

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



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)

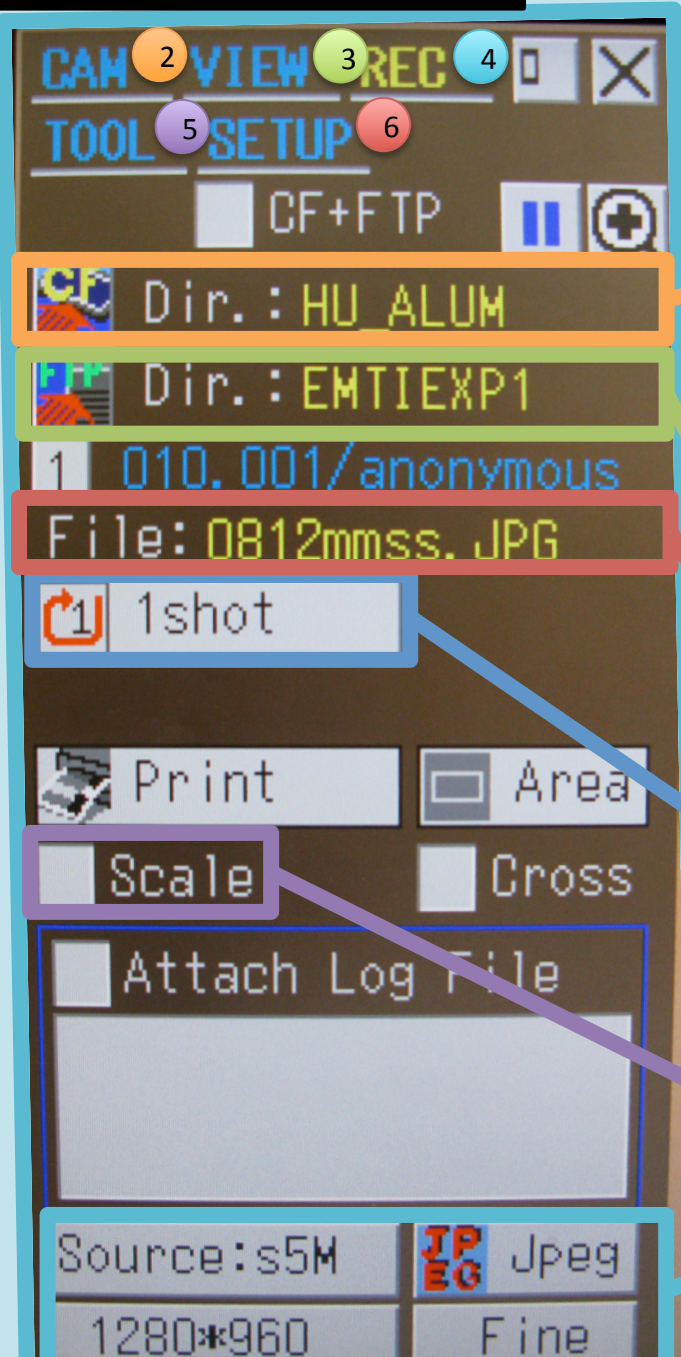
Click on directory name to navigate inside folder

```

> .. <DIR>
  1. 08120831. JPG
  2. 08120847. JPG
  3. 08120905. JPG
    
```

- Click on image name to view file.

Note: If saving a scale bar on your image is desired, make sure to check the box under the "Rec" tab (pg.4)

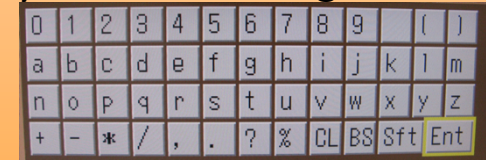


1. Click on top of directory name to change name of folder

- Click "CF" 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



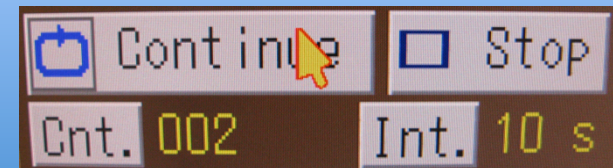
2.\*\*\*FTP is not used\*\*\*

3. File: Change name of single file. For batch file naming, refer to "File Settings" under "Setup" Tab (pg5)

4. 1shot: Single photo will be taken

Press for Continuous imaging:

- Adjust number of images and time interval



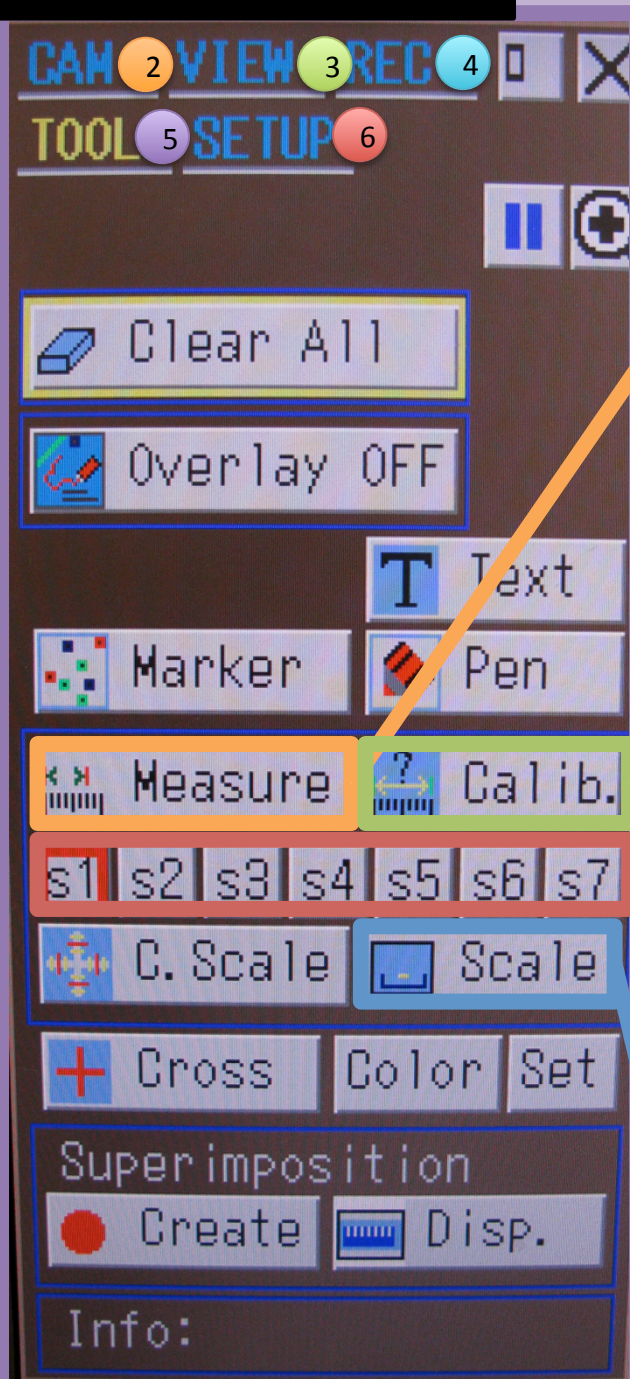
5. Check Scale box to save scale on your image

-Must have scale bar visible at bottom of the screen

6. Change File types: Jpeg or bmp

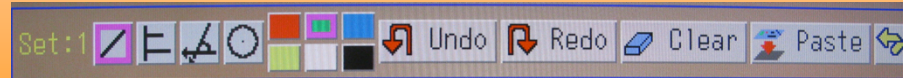
3 file sizes: 640x480, 1280x960, 2560x1920

Adjust Jpeg compression: Fine, normal, coarse, etc.

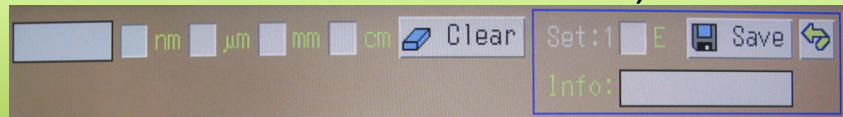


TOOL MENU: For scale bars and measurements

1. Click "Measure" button to bring up measurement bar:



2. Click "Calib." to calibrate scalebar, if necessary:



3. Choose a scale for your given magnification:

- S1: 5X Obj.
- S2: 10X Obj.
- S3: 40X Obj.
- S4: 100X Obj.
- To make sure the correct which magnification is chosen look at info section



4. Make scale visible on screen

- Note: If saving a scale bar on your image is desired, make sure to check the box under the "Rec" tab (pg.4)

The screenshot shows the 'File Settings' menu with the following settings:

- Card Dir:** HU ALUM (highlighted in green)
- FTP Dir:** EMTIEXP1 (highlighted in red)
- File Name:** TUG3 (highlighted in blue)
- Log:** with LOG.txt (unchecked)
- File Type:**
  - TYPE: \* JPEG (selected), BMP (unchecked)
  - SOURCE: \* s5M (selected), s1.3M (unchecked)
  - SIZE: (F. Frame) 2560\*1920 (selected), 1280\*960 (unchecked), 640\*480 (unchecked)
  - JPEG Quality: \* Fine (selected), Normal (unchecked), Basic (unchecked), Draft (unchecked)
- Buttons:** skip, 0-9, A-M, N-Z, SAVE, Default

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

2. Change CF card 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