

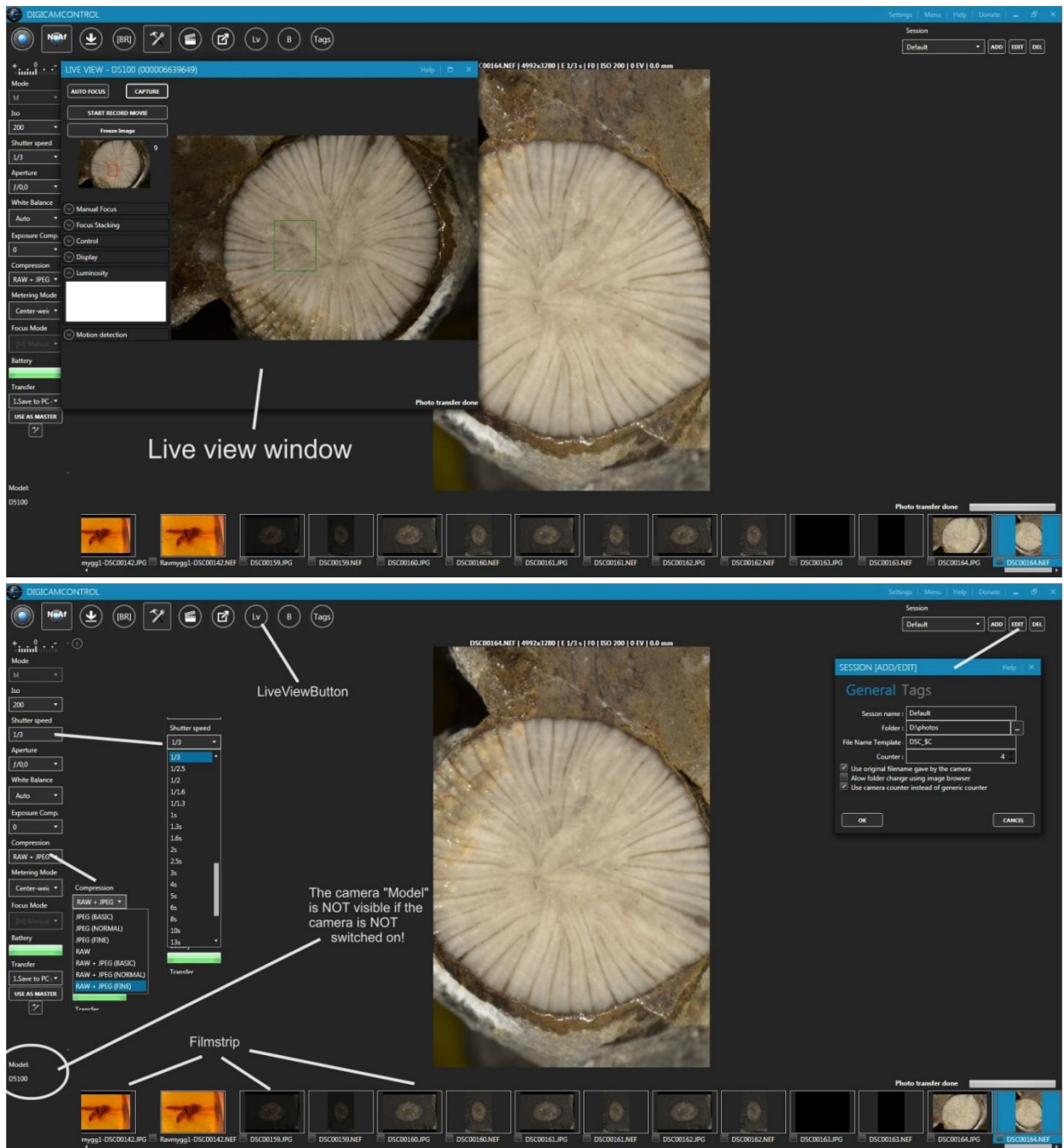
## Photography using the Leica MZ16A microscope (reflected light) and “DigiCam” software for Nikon digital SLR camera

### User instructions

1. Switch on camera. It MUST be in manual (“M”) mode.
2. Switch on light and focus/zoom controller (one electrical switch on the light source, and one on the microscope)
3. “Apertures” on the microscope (two of them) should (probably) stay in their most OPEN setting.
4. To be able to see through BOTH oculars, the mechanical switch on the left of the microscope tubus must be in “VIS” setting. When photographing, it must be in “100% PHOT” setting
5. Log on/Switch on computer (never switch it off!)
6. Start the software DigiCamControl
7. First time user: Change settings for file saving etc. You might like to save on the local D:-disk, and when finishing for the day copy your files to your M:-disk. This is usually faster and safer (network problems when photographing will slow you down). **Default is “M:\pc\Pictures\Default” or sometimes “M:\My Documents\My Pictures” or even “M:\My Documents\My Pictures\Default”.**
8. Click “Compression” to select file saving type; JPG compression and resolution. The best is “RAW and JPG/Fine” or just “JPG/Fine”
9. Click “Lv” (LiveView) button. Focus on screen. Click “Capture”. Your photo will appear at the far right end of the “film strip” at the bottom of the software window.
10. Under button “Controls”: Adjust LiveView preview if it is too dark (dark fossils) with “Exp.comp.” button (+1.0 is fine). Click “Display” button and select “Liveview rotation” to “None”. Set also correct “White balance” (“Incandescent”) to avoid yellow images.
11. If the resulting photo is too dark/light; change “Shutter speed”. Keep “ISO” setting to 200.
12. Continue taking photos.



13. Finishing for the day:
14. Quit DigiCam software
15. Copy your files to the M:-disk (if you have saved them locally on the D:-disk)
16. Switch off camera
17. Switch off microscope (two switches)
18. Cover the microscope with the red hood (to prevent it from dusting down!!)
19. Log out but leave the PC on.



**NOTE: For photo stacking use "Helicon Focus" (perhaps Hans Arne must provide license number for you the first time you use it).**