



iDigBio

Integrated Digitized Biocollections



iDigBio is funded by a grant from the National Science Foundation's Advancing Digitization of Biodiversity Collections Program (Cooperative Agreement EF-1115210). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation. All images used with permission or are free from copyright.

Software

3 May 2017

Florida Museum of Natural History

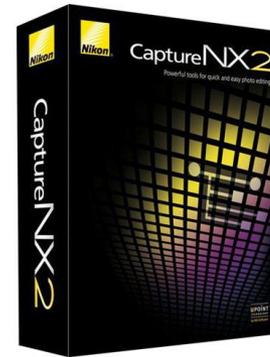
Gil Nelson, iDigBio/Florida State University
Stephanie Leon, Archbold Biological Station



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Camera Control Software for Tethering/Processing

Nikon Camera Control Pro



Canon Digital Photo
Professional/EOS Utility



DigiCamControl



digiCamControl

Image capture: Camera Control Pro 2

The screenshot shows the Camera Control Pro 2 interface. The main window is titled "Live View (Normal area)" and displays a live video feed of a bee on a pin. A red square highlights a specific area on the bee's body. To the right of the live view is a control panel with various buttons and sliders. Below the live view is a data table with columns for site, coordinates, and specimen information.

Callout 1 (Yellow box): AF: autofocus, by placing the red square on a particular area and clicking AF, the camera will automatically focus on selected area

Callout 2 (Yellow box): Plus and minus signs help with fine focus. These are what I use when doing stacks...

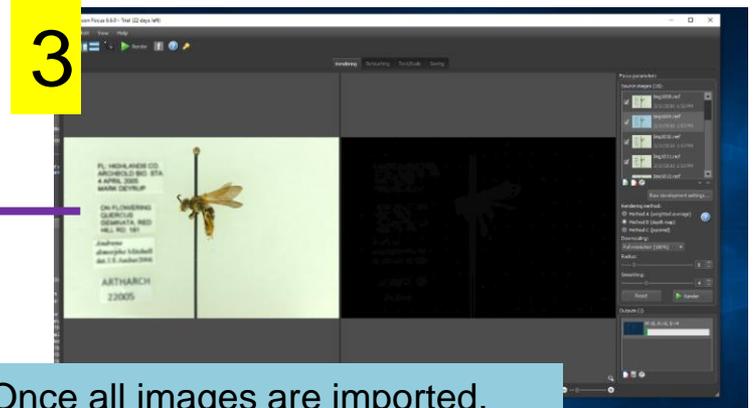
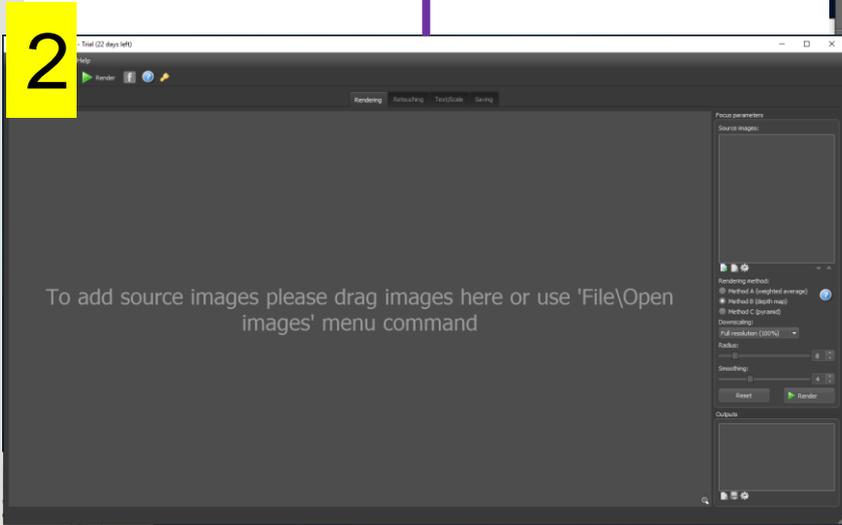
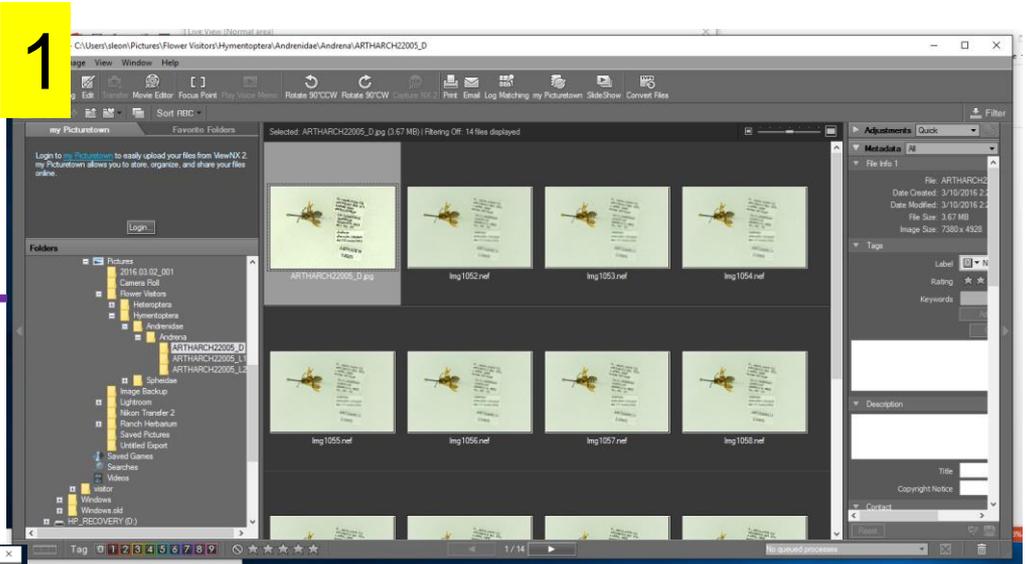
Callout 3 (Yellow box): Start takes an image of what you see on the screen, whether it was manually focused or not

Callout 4 (Yellow box): AF and Start will autofocus and image, even if you had focused with plus and minus already.

| | | | | | | | | |
|-----------------------------|------------|-------------|-----|------------|----------------|--------------------|-----|--|
| Archbold Biological Station | N27°10.50' | W081°21.00' | Hym | Andrenidae | <i>Andrena</i> | <i>fulvipennis</i> | AB, | |
| Archbold Biological Station | N27°10.50' | W081°21.00' | Hym | Andrenidae | <i>Andrena</i> | <i>fulvipennis</i> | AB, | |

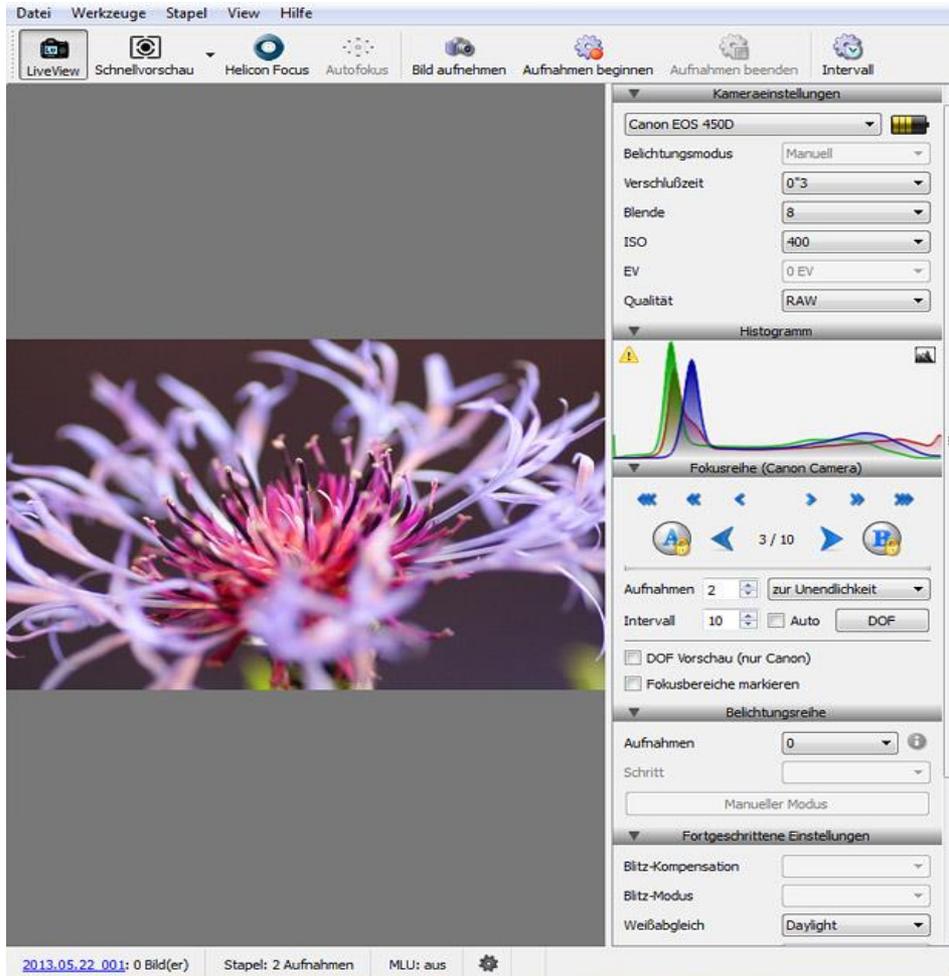
Image capture

- Images will appear in View NX2
- Once all images are taken,
- Highlight them all and place them into Helicon Focus

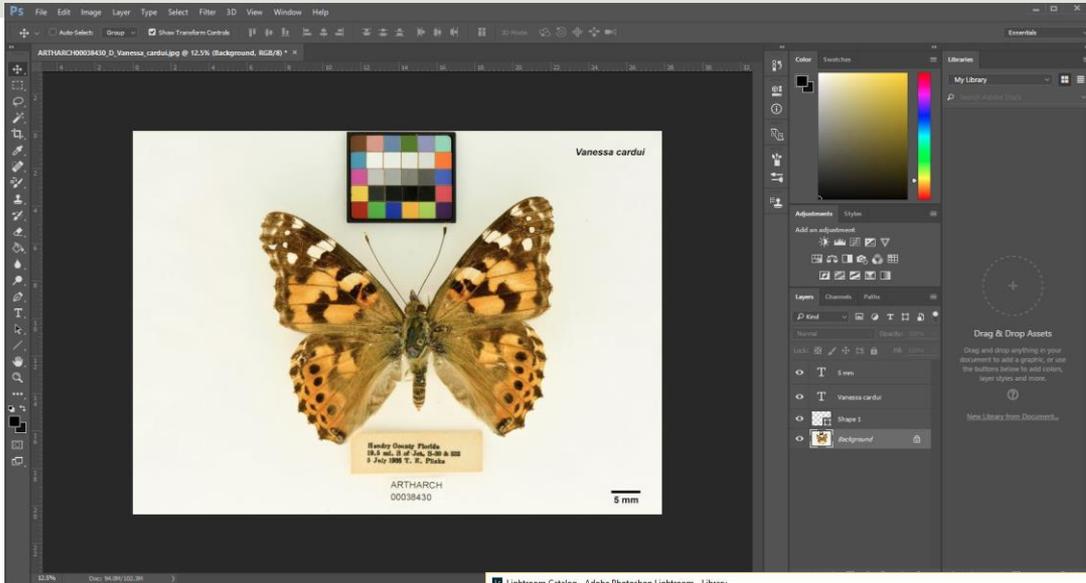


- Once all images are imported, click on render
- After image has been compiled, right click and save

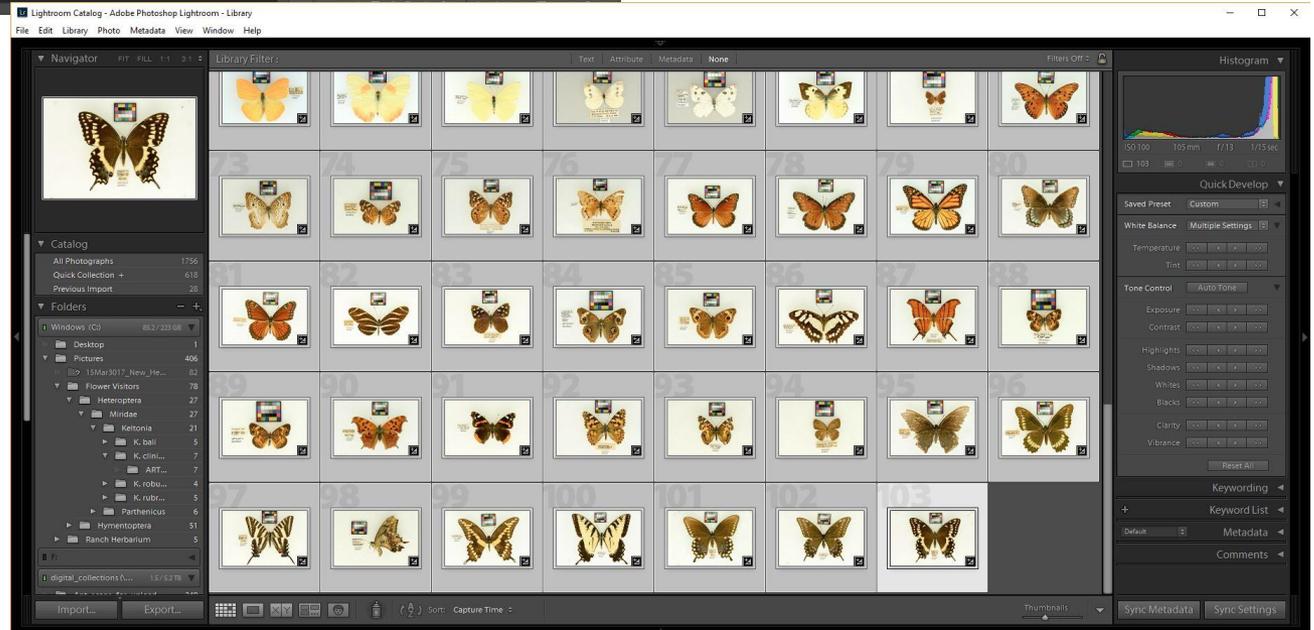
Image capture: Helicon Remote



- Very similar to Control Pro
- Compatible with Cannon and Nikon
- Automated Focus
- Automatic stacking with helicon focus



Photoshop



Light room

Adobe Creative Cloud
Photography plan:
Photoshop CC and Lightroom
12-month prepaid membership



The advertisement features a background of a starry night sky with the Milky Way galaxy. At the bottom, there are silhouettes of hills and a row of warm, glowing lights. The Adobe logo is in the top right corner, and the 'Ps' and 'Lr' logos are in large, cyan-outlined boxes in the lower center.



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