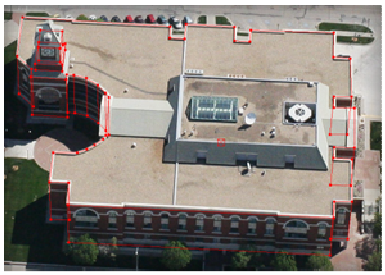
How to Create 3D Models Using MultiVision and Then Export Them Out To Be Viewed in Google Earth

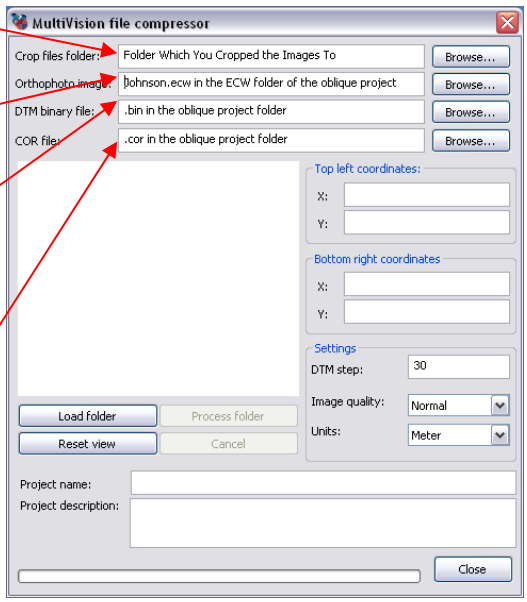
1. Open MultiVision and use the 3D Tool  to create a model of your area of interest (for information on how to use the 3D Tool please reference the MultiVision Quick Reference Guide).



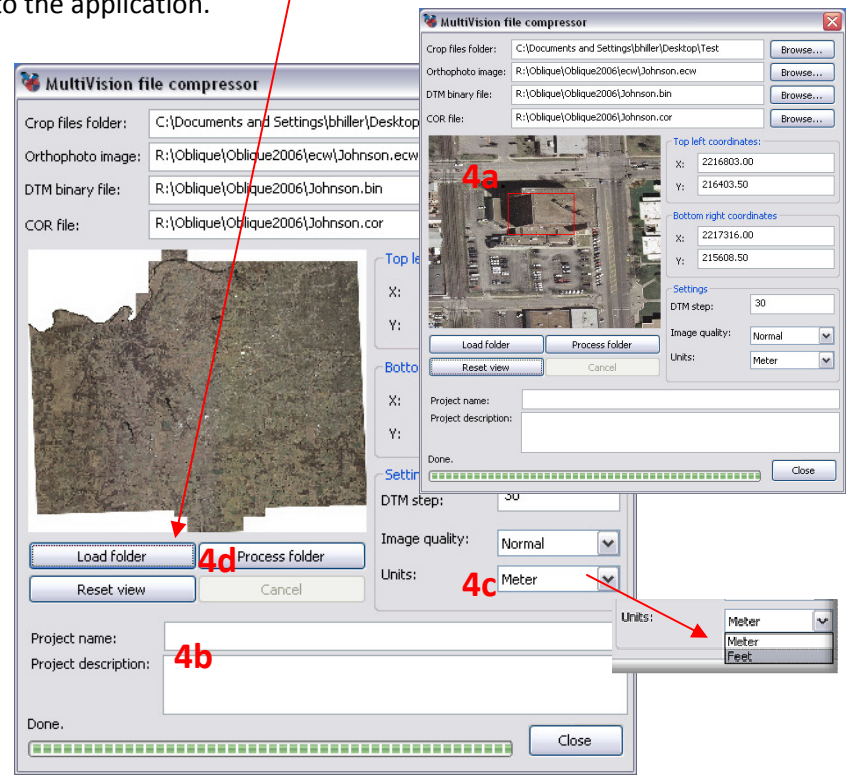
2. Once you have a model created select “Options” > “Cropping” > “Crop” (from main toolbar in MultiVision), and select the location of where you would like to crop your model to. This step is very computer intensive, the length of time required to crop your model will depend greatly on the complexity of your model.

3. Once MultiVision is finished cropping your model to the folder which you specified in step two above, you can open the MultiVision Pack and give it the necessary information to create a model (this application is installed at the time of the MultiVision install, it will place an icon on your desktop but if the icon is missing from your desktop you may need to re-install MultiVision from the AIMS website click here to do so.)

   a. Path to the folder where you cropped the model (from step two above)
   b. Path to the ortho photo for your MultiVision project (this image is in the ECW folder with the other oblique images, it will be called “Johnson.ecw”)
   c. Path to .bin file (located at the root of the oblique project folder, same place as the file you use to open MultiVision it will be called “Johnson.bin”)
   d. Path to .cor file (located at the root of the oblique project folder it will be called “Johnson.cor”, same place as the file you use to open MultiVision), you may not have a .cor file if you need one call the Mapper of the Day 913-715-1600 to receive one.

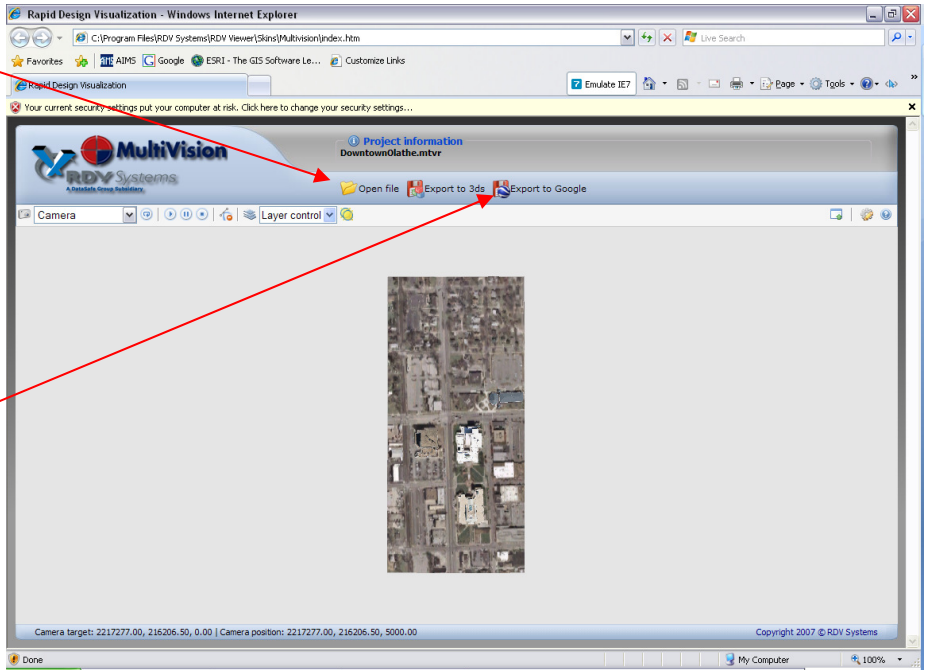


4. After you have supplied the MultiVision Pack application with the path to the Crop files folder, Orthophoto Image, DTM binary file, and the COR file press the "Load Folder" button and the MultiVision Pack will load the model into the application.
    a. After pressing the load folder button, use your mouse to zoom in on the area in which your model was created (when you get close you will see a red box around the area which you modeled).
    b. Once you have zoomed in near your model give it a name and an optional description by filling in the Project name and Project description box.
    c. Once you have given your model a name switch the units drop down menu to feet.
    d. Finally press the "Process Folder" button to create a .mtvr file (this will be used to create a .kmz file which can be opened in a variety of 3D software packages including Google Earth.



5. After the MultiVision Pack finishes processing your 3D model you will have a .mtvr file with the name you specified in step 4.b above, this file will be saved in the same folder which you originally cropped your model out of MultiVision to. To open the .mtvr file you need to open the third piece of software loaded when you install MultiVision, the "RDV Multivision Viewer".

    a. Once this application is open (the RDV MultiVison Viewer will actually open in your web browser) click "Open File" and browse to the location of the .mtvr file that you created above and press "Open".
    b. After the model appears as in the screen shot to the right click "Export



to Google", in the screen that pops up choose a name and a location for the .kmz file that you are going to create and hit "Save".

6. Once you have completed step 5 you will have saved a .kmz file which can be used to view your model in Google Earth, ArcGIS Explorer, and a variety of other 3D viewing applications. To open your .kmz file in Google Earth just start up the application and click "File" > "Open" > and browse to the .kmz file which you saved/created above.