
Subject: Re: Change the default dpi

Posted by [James Kuyper](#) on Tue, 24 May 2005 15:34:54 GMT

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envi35@yahoo.ca wrote:

> But it seems that I can't do this in ENVI. Say my image is 512*512, I
> can only export it as a 512*512 image, I can't change the dimentions.

We have ENVI 4.1 installed; what I'm about to say may be different in different versions of ENVI.

Select "Basic Tools" from the top menu. On the drop-down menu, select "Resize Data (Spatial/Spectral)". Select your input file, and then hit the "OK" button. Set the Samples/Lines numbers to match your desired output size. Save the result in memory - if you tell it to save to a file it will save it in an ENVI-specific format. Choose your desired sampling method, and whether or not you want the file compressed. Hit the "OK" button and it rebins the data in memory.

Select "File" from the top menu. On the drop-down menu, select "Save File As". Choose JPEG2000 (old-style jpeg doesn't seem to be an available option), and a dialog window pops up. Select the "Input File" that corresponds to your resized image in memory. Hit the "OK" button, and a new dialog window replaces the old one. Choose your desired output file name and compression level. Hit the "OK" button, and you're done.

If JPEG2000 isn't acceptable, then you have to use IDL directly, rather than ENVI:

```
READ_JPEG,infilename,image  
output = REBIN(image,3,newcols,newrows)  
WRITE_JPEG,outfilename,output,/true
```

REBIN requires that each new dimension be a multiple or factor of the corresponding dimension of the original image. If that's an unacceptable limitation, then you can use CONGRID instead, though it's somewhat slower.
