

Collectorpro and auto image rotation White Paper  
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#### Issue

Images are rotated when linked in Collectorpro but look correct in Windows Explorer and some image management programs

- The camera has the auto-orientation setting turned on or it automatically happens and cannot be turned on or off. This causes a flag to be set on the image that says “the camera was rotated XX degrees when this picture was taken”.
- The images are copied from the camera to the Windows 8 computer and placed in a folder.
- Windows 8 reads this “flag” in the image file and says, “this image was taken with the camera rotated XXX degrees so when displaying the thumbnail of this image rotate the thumbnail XXX degrees the other way so the thumbnail looks right”. This causes the thumbnail in Windows Explorer to look like it is correct orientation **even though the actual image jpg file is rotated**.
- When attached in Collectorpro we link to the actual image, which is rotated, whichever way the user held the camera, so it looks like wrong orientation because it is.

Here are some solutions. I did an import with auto rotate on during import and they are correct. See attached

Article on how to rotate images automatically upon import and to rotate images after import (Requires Microsoft Photo Gallery be installed in Windows 8)  
[http://answers.microsoft.com/en-us/windows/forum/windows\\_vista-pictures/windows-photo-gallery-automatically-rotate-photos/49512fd3-f75a-4e25-903e-080c7514cc2e](http://answers.microsoft.com/en-us/windows/forum/windows_vista-pictures/windows-photo-gallery-automatically-rotate-photos/49512fd3-f75a-4e25-903e-080c7514cc2e)

If you still have the images on your memory stick, it probably would be worthwhile to re-import them with Photo Gallery to a new folder and have them auto-rotated upon import.

Microsoft Photo Gallery should already be installed in your Windows 8 but in case it is not, it is free as part of Microsoft Essentials.  
<http://windows.microsoft.com/en-ca/windows-live/essentials>

It actually is pretty nice the way you can tell Photo Gallery to auto rotate your images on import. This will relieve you of having to rotate them after copying to your computer. This link explains about rotating images on import. So once this is all setup it will save you a lot of time editing and rotating images.

<http://windows.microsoft.com/en-US/windows-vista/Windows-Photo-Gallery-frequently-asked-questions>