

Image Analysis for ArcGIS FAQs¹



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How Do I Mosaic Imagery?

Use the Image Analysis Mosaic tool to mosaic imagery in ArcMap. This tool can be used to create a single image mosaic from multiple orthorectified photographs, satellite images, DOQs or DEMs. This document describes how to make an image mosaic using Image Analysis for ArcGIS.

What You Will Need and Other Assumptions

- Orthorectified photography, satellite images, DOQs or DEMs

Overview of Steps

1. Add the images to be mosaicked to the Data Frame in ArcMap.
2. Specify the required mosaic parameters and run the mosaic process.
3. Inspect the resulting mosaic.

Step-by-Step Example

1. Start ArcMap from your Desktop, or on the Windows Taskbar click **Start | Programs | ArcGIS | ArcMap**. Ensure the Image Analysis extension is visible. If not, from ArcMap's main menu select: 1) **Tools | Extensions** and enable **Image Analysis**; and 2) **View | Toolbars** and enable **Image Analysis**.
2. Use the **Add Data** button on the main toolbar of ArcMap to add your images to the Data Frame.
3. From the Image Analysis extension, click **Image Analysis | Data Preparation | Mosaic Image**.
4. Choose an overlap option using the **Handle Image overlaps by:** pull-down menu. You might try using **Average Value** first, and then experiment with the other choices as needed.
5. Choose a color balancing option if necessary, using the **Color Balance By** menu.
6. In most instances users accept the remaining defaults and click **OK** to begin the mosaicking process.
7. Inspect your new mosaic using the **Zoom** and **Pan** tools in ArcMap.

¹ Produced by the USDA Forest Service RSAC (<http://fsweb.rsac.fs.fed.us>). A Forest Service version of Image Analysis for ArcGIS was used to develop this reference document. No warranty is made as to completeness or accuracy.