

# Compression For Hi-Res Images

## Preserve Image Fidelity While Reducing File Sizes

Pixels add up fast in this business — consuming bandwidth and slowing down distribution. It's time for a compression solution that preserves quality and supports your entire workflow. GeoExpress is a powerful tool that makes working with high-resolution imagery and lidar point clouds faster, easier, and more affordable.

### Compress

- + Compress raster imagery to MrSID, JPEG 2000 and NITF formats; LiDAR data to MrSID and LAZ formats; and create LAS files inside GeoExpress.
- + Preserve pixel-for-pixel image fidelity while reducing file size by up to 50% with lossless compression.
- + Compressed images reduce storage and bandwidth costs — ideal for mobile devices and low-bandwidth environments.

### Manage

- + Customize and manipulate your images. Take advantage of cropping, color balancing, and reprojection tools.
- + Combine multiple images into seamless mosaics, create custom image tiles, and export specific sections of imagery you want at the exact resolution you need.
- + Use alpha bands to add true transparency to your imagery.



### Integrate

- + Industry standard MrSID and JPEG 2000 formats work seamlessly with other applications, so you can process, classify, and interpret imagery with ensured compatibility.
- + API to MrSID Decode SDK for read-level access with any software.
- + MrSID images are supported for use in all industry-standard Web Map Services (WMS).

### Distribute

- + Crop areas of interest to match shapefiles and export them at the exact size and resolution you need.
- + Customizing multispectral imagery is easy with support of up to 255 image bands and the ability to select any subset of output bands.
- + Once you have exactly the imagery you want, export it quickly and easily to your user community.

### Deploy

- + MrSID images are optimized for web viewing and sharing. You can also use [Express Server](#) to distribute your files anywhere.
- + Whether you're online or offline, your images are easily accessible, quick to load, and retain their visual integrity.

For more information, visit [extensis.com/geoexpress](https://www.extensis.com/geoexpress)