

## Large image support for your applications

### About the ECW JPEG 2000 SDK

The ECW JPEG 2000 SDK is used to add large image support to applications.

This SDK provides compression and use of very large images in the industry standard ECW compressed image format and the ISO standard JPEG 2000 format.

### New JPEG 2000 support

ER Mapper is the only vendor in the Geospatial industry to commit to developing its own JPEG 2000 implementation in order to provide superior solutions for multi-terabyte JPEG 2000 images.

- Compliance class 2 JPEG 2000 decompression.
- Tested to support terabyte+ JPEG 2000 image compression.
- Support for NITF standards (see below).
- Input and output of geographical metadata in three formats: embedded GML, embedded GeoTIFF UUID box, and six-value world file.
- Application development is simplified with both ECW and JPEG 2000 in the same library with the same easy-to-use API.
- Streaming JPEG 2000 via ECWP protocol adds lightening fast access to large image datasets.
- Optimum defaults provide quick set-up.
- Optional advanced compression parameters can be configured.
- Lossless and lossy compression.

### New NITF support

The ECW JPEG 2000 SDK caters for military-grade applications by complying with NITF JPEG 2000 standards. With the ECW JPEG 2000 you can compress to NITF/NSIF BIIF NPJE, EPJE compliant codestreams.

### New Compress multi-TB images

The ECW format has always supported very large images. The latest version has been tuned to significantly reduce memory usage when compressing multi-TB images. This version has been tested out to compression of 10TB (10,000GB) images. The ECW file format remains unchanged.

JPEG 2000 compressions of 1,000 GB+ are supported.

### Enhanced ECWP streaming protocol

Enhancements have been made to the image streaming ECWP protocol to improve speed. ECWP offers the fastest possible access to large ECW and JPEG 2000 images.

### New No-hassle licenses

You can now choose from three different simple license styles for the SDK:

- **Free** use unlimited decompression/500MB compression free license for use in any application (including commercial or GPL style use). **There is no charge for this license.**
- **Free** use (including unlimited compression) for free GPL style applications. **There is no charge for this license.**
- Commercial license (including unlimited compression) for commercial applications. **Single up-front fee, and no royalty or per-GB charges.**

### New OpenSource

This release includes the full source code for increased flexibility when applying ECW JPEG 2000 technology.

Pre-compiled binaries are available for popular platforms.

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