



IMAGE COMPRESSION IN ERDAS IMAGINE®

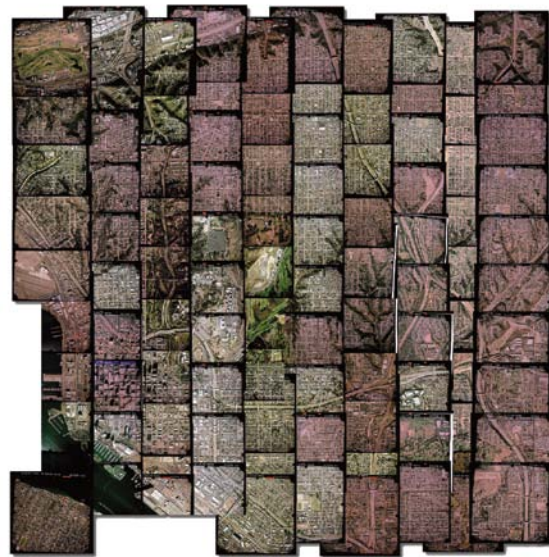
ERDAS IMAGINE includes the fastest image compressor in the world

ERDAS IMAGINE® features the world's leading image compression technologies, integrating the preeminent compression technologies previously existing in ERDAS IMAGINE with those of ERDAS ER Mapper and ERDAS ECW/JP2 SDK. This powerful compression engine enables creation of up to 65,535 color bands (layers) for both ECW and JPEG2000, and includes the ability to generate supported NITF compression formats. Following is an outline of the image compression capabilities available in each of tier of ERDAS IMAGINE.

IMAGINE Essentials

IMAGINE Essentials creates compressed files using Virtual Mosaic and Export functions (single or batch). Some file formats may be written directly from processing functions. Compression capabilities in IMAGINE Essentials include:

- ECW from input files up to 250 Gpixels
- JPEG2000 from input files up to 250 Gpixels
- MrSID from input files up to 50 MB (with add-on MrSID encoders available to extend the limit to 500 MB or unlimited)
- JFIF (JPEG) output files up to 65,535 rows and columns
- TIFF with JPEG compression output file up to 4 GB
- TIFF with LZW compression output file up to 4 GB
- TIFF with Packbits compression output file up to 4 GB
- BigTIFF with JPEG compression output file > 4 GB
- BigTIFF with LZW compression output file > 4 GB
- BigTIFF with Packbits compression output file > 4 GB
- ERDAS IMAGINE DR-RLE output file up to 2 GB



Before and After

Before mosaicking and compression: Multiple images and 10GB of data
After: 1 Image and only 500MB of data

IMAGINE Advantage

IMAGINE Advantage includes all the image compression capabilities featured in IMAGINE Essentials, plus:

- Multi-core batch compression (up to 4 processes per IMAGINE Advantage or ERDAS Engine license)
- Seamless mosaic generation in the MosaicPro tool
- Many image processing functions
- ECW from input files up to 500 Gpixels
- JPEG2000 from input files up to 500 Gpixels
- CADRG, unlimited input and output file size
- CIB, unlimited input and output file size

IMAGINE Professional

IMAGINE Professional includes all the image compression capabilities featured in IMAGINE Essentials and IMAGINE Advantage, plus:

- ERDAS ER Mapper compression capabilities
- ECW from an unlimited input size
- JPEG2000 from an unlimited input size



ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities.

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