ExpressSuite

DATASHEET

Feature History
LizardTech's GeoExpress and Express Server

With MG4

LizardTech's GeoExpress® software has evolved from a simple compression engine to a set of powerful image processing tools that improve the workflow of any organization with a need to compress or manipulate high volumes of multispectral aerial photography or satellite imagery. Similarly, LizardTech's Express Server® software has undergone numerous improvements because we listen to what our customers want in image delivery software. Here are the key new features added to GeoExpress and Express Server over the years:

GeoExpress

GeoExpress 9.1
March 2014

- Floating point support for MrSID Generation 4
- Dynamic range metadata generation
- Improved metadata for auxiliary files
- Support for generating image statistics from the command line

GeoExpress 9
July 2013- Codename *Exodus*

- Support for multi-core processors provides a significant performance enhancement
- Intelligent encoding automatically uses the GeoExpress optimization feature whenever possible
- Simplified job list
- Support for NITF RPC
- Support for PNG files
- Custom watermarks
- Image rotation metadata is applied directly to output images
- Improved session logs that you can export to text and CSV files

GeoExpress 8.5
October 2011 - Codename *Centurion*

- Support for arbitrary band selection
- Support for per-band compression ratios
- Improved license administration
- Simplified coordinate reference system picker

GeoExpress 8
November 2010 - Codename *Revolver*

- MrSID® Generation 4 (***MG4***™) introduced
- Support for alpha channels
- Support for multispectral and hyperspectral imagery
- Improved mosaicking options

GeoExpress 7.0.x
August 2008 - March 2009 - Codename *Visscher*

- Terminal Server and Citrix Server support
- Better image quality when encoding multispectral JPEG 2000 containing an alpha channel
- Support for CADRG/CIB files
- Templates for metadata editing

GeoExpress 7
January 2008 - Codename *Visscher*

- Direct output to Express Server® catalogs
- Simple Express Server admin tool
- 64-bit support
- Select from previously used coordinate systems
- Automatically generate Esri AUX files
- Despeckling tools for cleaner images
- Commuter licenses for use off-network
- Add or edit custom metadata tags without re-encoding
- Export tools for demosaicking imagery
- Support for ECW as an input format

GeoExpress 6.1
August 2006 - Codename *Digges*

- GUI Oracle integration
- GML metadata support (GMLJP2) in JPEG 2000 encoding
- Automatic color balancing for mosaics

more >

Toll Free 1.866.725.5211
Americas 206.652.5211
www.lizardtech.com
geosales@lizardtech.com
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GeoExpress 6
December 2005 - Codename *Cosmas*

- Color balancing for images and mosaics
- Floating licenses
- Oracle integration
- Support for vector overlays in area of interest encoding
- Support for custom coordinate systems

GeoExpress 5
December 2004 - Codename *Harrison*

- JPEG 2000 (JP2) encoding
- Unlimited encoding option
- Image reprojection
- Area of interest encoding
- Improved multiresolution mosaicking
- NITF encode support
- GeoExpress® Tools Edition

GeoExpress 4.1
September 2004 - Codename *Des Barres*

- Composite cropping and mosaicking
- Improved large mosaic memory handling

GeoExpress 4
November 2003 - Codename *Kepler*

- Image cropping
- Image resampling
- Multiuser Network Edition (uses ECM)
- Multiresolution mosaicking (octaves)
- Interactive preview window
- .NET-based graphical user interface (GUI)
- NITF decode support
- Watermarked test encoding

GeoExpress 3
November 2002 - Codename *Ptolemy*

- MrSID Generation 3 (MG3™) introduced
- Lossless encoding with compression
- Localized image updating
- Mosaicking existing encoded MrSID files
- Optimizing of MG3 images
- Data cartridges
- Unlimited file size support (MG3)
- Temp files eliminated for smaller footprint
- JPEG 2000 input file support

MrSID GeoEncoder 1.5
December 2001 - Codename *Newton*

- Support for JPEG with world files
- Mosaicking TIFF and GeoTIFF images
- Support for cropping input images by pixel
- MrSID viewer launching within application
- Image info recording during encode
- Mosaicking images with slightly different x and y resolutions

MrSID GeoEncoder 1.4
July 2000 - Codename *Gecko*

- Support for three-band IMAGINE files
- Support for 16-bit GeoTIFF
- Customizable metadata tags
- Corner cropping of USGS DOQ images
- Password protection of MrSID files

ExpressServer

Express Server 9
February 2014

- Simple web-based image export with *Express*Zip
- Painless upgrades
- Configurable working directory

Express Server 8
September 2012

- Web administration interface
- 30-day trial
- Geospatial PDF support

Express Server 7
July 2011

- ***MG4*** support

Express Server 6.1
July 2008 - Codename *Lambert*

- Simple administration tool
- Integration with ArcGIS Server and ArcGIS Image Server
- Google Earth support
- Lossy PNG support
- NITF support
- JPIP support

Express Server 6
June 2007 - Codename *Ringmann*

- Spatial Express integration
- GMLJP2 metadata support
- New sample web applications
- Mirroring support
- Windows 2003 support
- Apache 2 support for Windows

Express Server 5.3
June 2006 - Codename *Waldseemüller*

- Dynamic reprojection
- Single image WMS layer for catalogs with multiple images
- Improved pan/zoom performance

Express Server 5
March 2005 - Codename *Blaeu*

- MG3 support
- WMS support

Express Server 4
February 2004

- First release of Express Server

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