FEATURE HISTORY
LizardTech's GeoExpress and Express Server

WITH: **MG4**

OVERVIEW

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 9.5.5
January 2018
- Unlimited processing cores
- Anonymous usage information for quick bug fixes and more support for the best-loved features

GEOEXPRESS 9.5.4
May 2017
- Seamline shapefile creation
- Improved MrSID mosaic creation from command line

GEOEXPRESS 9.5.3
- Support for BPF, often used in Geiger-Mode LiDAR data
- NAD83(2011) support
- Better color balancing
- Custom watermarks
- Simpler licensing to import single or floating licenses with ease

GEOEXPRESS 9.5.2
- Floating licenses now access Remote Desktop
- Fixed batch silent install

GEOEXPRESS 9.5.1
- New user Interface (UI)
- Support for PCI's PIX format
- Better installation experience
- Default workflow enhancements to enable faster processes
- Easier license and cartridge management
- Windows 10 support
- Multipolygon crop enhancements

GEOEXPRESS 9.5
- Compress LiDAR data to MrSID and LASzip
- Batch color balancing
- Multipolygon cropping
- Custom export options

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 reencoding
- 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

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

LIZARDTECH
Creators of **MrSID** Compression Technology

GeoExpress

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

MrSID GEOENCODER 1.3
January 2000 - Codename Gecko

- Individual settings for batch processing
- Option to select background color
- Option to rename output file before encoding
- GeoTIFF support
- Tiled TIFF support
- Inclusion of metadata from input imagery
- Improved image-size reporting

ExpressServer

EXPRESS SERVER 9.5
May 2016

- Serve and visualize LiDAR: LAS, MG4, LAZ
- Extract and download DEMs and point clouds
- Filter LiDAR downloads by classification
- Export to MrSID
- New installation experience

EXPRESS SERVER 9
Feb 2014

- Multithreaded decodes for faster performance

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

LIZARDTECH
Creators of MrSID Compression Technology

www.lizardtech.com | 1.866.725.5211 or 206.652.5211 | geosales@lizardtech.com

Rev. January 23, 2018