



DATASHEET

GeoExpress® and Express Server® LizardTech's Dynamic Duo for Manipulating, Compressing and Distributing Geospatial Imagery

The ability to manipulate imagery and move it quickly from one place to another is becoming a checklist item for geospatial professionals and the industries they serve. Delays in image access may not only be costly – they can be the difference between failure and success. GeoExpress® and Express Server® software are two products from LizardTech's Express Suite® software line that minimize the time between the moment you receive your source image data and the moment your users view it in their applications.

Express Suite® software is designed to meet your needs point for point along your workflow. Do you need to crop and compress your imagery? Do you want to mosaic your MrSID® imagery and deploy it on the Web? Maybe you need to improve the raster performance of your maps being viewed with or served by ESRI products. Together, GeoExpress® and Express Server® software meet all of these challenges and more.

Built for Your Workflow

LizardTech® Express Suite is a battery of powerful software applications built to handle the manipulation, storage and delivery of large georeferenced images. Products in the Express Suite line are designed to work seamlessly with each other and with protocols and applications in the larger geospatial ecosystem. That means you can combine the bit-crunching power of GeoExpress software with the speed and stability of Express Server image serving software to manipulate, compress and distribute high-resolution, high-value imagery quickly, making it easier than ever to get your product into the hands of the people who need it.

GeoExpress - The Industry's First Choice

With powerful tools for reprojecting, color balancing, mosaicking, cropping and more, LizardTech's GeoExpress has become your first choice for manipulating and encoding your geospatial imagery to industry standard compression formats. GeoExpress also enables you to publish to and configure Express Server catalogs directly from the GeoExpress interface,

completing the product's interoperability with Express Server and making GeoExpress the ideal command center for your distribution workflows.*

**GeoExpress 7 and later*

Express Server - Geospatial Image Delivery

There is no better solution than LizardTech Express Server image serving software for distributing imagery in MrSID or JPEG 2000 format. Express Server is faster, more stable and easier to use than any other solution for delivering high-resolution raster imagery. With Express Server, users on any device access imagery faster, even over low-bandwidth connections. Express Server catalogs and manages the distribution of imagery, enabling you to integrate the world's best raster delivery technology with geospatial data stores.

Express Server catalogs can be configured easily from the GeoExpress interface – no need to learn command line tools. And now you can use Express Server with the JPIP protocol for streaming massive imagery in bandwidth-con-

strained environments. Express Server streams compressed images to ensure the fastest possible delivery, whether conventionally to broadband devices and desktops or wirelessly to field and response crews using low-bandwidth connections.

Built for Speed

From the moment you receive your georeferenced source imagery to the moment downstream users import your product into their GIS, GeoExpress and Express Server provide easy-to-

use tools that help you get the job done faster and put your imagery to work where it's needed.

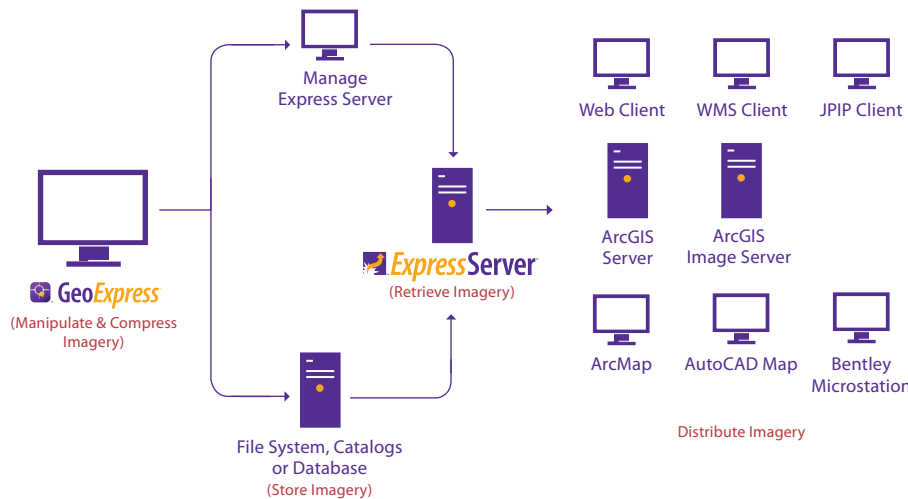
Manipulation and Compression

Express Suite starts saving you time as soon as you import your source imagery into GeoExpress. You can mosaic and crop images, correct tonal imbalances, and reproject to the coordinate system you require – all with a few clicks – then output in compressed MrSID or JPEG 2000 format directly to a file system, Oracle database or Express Server. Even existing MrSID and JPEG 2000 imagery can

be published to Oracle or Express Server without being reencoded. GeoExpress' powerful manipulation tools and interoperability with Express Server enable you to quickly create and publish high quality image products for your customers and users.

Distribution and Viewing

Use Express Server to pull imagery from a file system, from a database or from Express Server catalogs for instant viewing. With Express Server, your imagery can be viewed simultaneously in WMS and Web applications and in ESRI programs – virtually all commonly used GIS applications. You can even "stream" Express Server imagery via the JPIP protocol.



Regardless of the storage source or the viewing application, the more simultaneous users view your imagery the more Express Server benefits your end-users' experience. Image servers delivering imagery via Express Server outperform image servers working alone at a rate that increases with larger images and additional users. Express Server's advantage becomes more pronounced as the job gets tougher.

Finally, the interoperability that is the foundation of LizardTech's software applications means the utility of your imagery is not restricted by particular formats, data sources or viewing environments. With GeoExpress and Express Server, your imagery just gets where it's needed – and gets there faster.

System Requirements

GeoExpress:

All Operating Systems

- 1 GB RAM (2 GB RAM recommended for 32-bit; 8 GB RAM recommended for 64-bit)
- 200 MB of free disk space, plus room for imagery

Windows

- 32 Bit: Windows XP SP3, 2003 SP2, Vista (SP2), 7
- 64-bit: Microsoft Windows XP Pro SP2, 2003 R2 Enterprise SP2, Vista SP2, 7
- Microsoft 32- or 64-bit .NET Framework 2.0 or later (included)
- Microsoft Management Console 3.0 (included)
- 1.5+ GHz Intel Pentium 4 Processor (2.6+ GHz recommended)
- DVD Drive

Linux

- Red Hat Enterprise Server 4.0 or 5.0 (32-bit and 64-bit)
- 1.5 GHz Intel Pentium 4 Processor (2.6+ GHz recommended)
- DVD-ROM Drive

Solaris

- Sun Solaris SPARC V9 9 or 10 (64-bit)
- Sun UltraSPARC III (UltraSPARC IV or higher recommended)
- DVD-ROM Drive

Express Server:

All Operating Systems

- 1 GB RAM (2 GB recommended)
- Dual processors (recommended)
- 100 MB of free disk space, plus room for imagery
- Gigabit Ethernet or fiber-optic recommended for remote imagery

Windows™

- Microsoft Windows 2000 SP4 or 2003 SP1
- Intel Xeon Processor (3+ GHz recommended)

One of the following

Web servers:

- IIS 5.0 (2000) or 6.0 (2003)
- Apache Web Server 2.0.46 or 2.2

For ArcGIS integration:

- ArcMap 8.3, 9.0, 9.1, 9.2 or 9.3 or ArcGIS Server 9.3 or ArcGIS Image Server 9.3

For viewing with Express-View Browser Plug-in:

- Windows 2000, XP, 2003 or Vista with Internet Explorer 6.0 or 7.0 or Firefox 1.5 or 2.0

For Google Earth integration:

- Google Earth 4.3

Linux™

- Red Hat Enterprise Server 3.0, 4.0 or 5.0
- Intel Xeon Processor (3+ GHz recommended)
- Apache Web Server 1.3.x (compiled with Shared Core DSO support), 2.0.46 or 2.2