

ERDAS IMAGINE[®] and LPS 2011

System Requirements

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Computer/Processor	<ul style="list-style-type: none"> • 32-bit: Intel[®] Pentium[®] 4 HT, Core[™] Duo, Xeon[®] or 100% compatible • 64-bit: Intel 64 (EM64T), AMD 64, or equivalent • Multi-core processors are strongly recommended
Memory (RAM)	2 GB minimum, more strongly recommended ¹
Disk Space	<ul style="list-style-type: none"> • 3 GB for installing all software • 7 GB for installing all example data • Customer data storage requirements vary by mapping project²
Operating Systems	<p>ERDAS IMAGINE and LPS 2011:</p> <ul style="list-style-type: none"> • Windows[®] 7 x32 and x64 Professional and Ultimate • Windows Vista[®] x32 and x64 SP2 or higher, Business, Enterprise & Ultimate • Windows XP Professional x32³ and x64 SP3 or higher <p>ERDAS IMAGINE 2011 (support in addition to the above versions)⁴:</p> <ul style="list-style-type: none"> • Windows Server[®] 2008 x32 and x64 SP2 or higher
Software	<ul style="list-style-type: none"> • OpenGL 1.1 or higher is needed for IMAGINE VirtualGIS[®], Image Drape, LPS Terrain Editor, LPS Stereo Point Measurement and Stereo Analyst for ERDAS IMAGINE. Microsoft Windows provides a generic OpenGL driver for supported graphics cards⁵. • Adobe[®] Reader[®] 7 or higher • Internet Explorer[®] 7 and higher with JavaScript enabled, or • Firefox[®] 3 and higher with JavaScript enabled • Java Runtime 1.6.0.20 is installed with ERDAS IMAGINE and LPS 2011 • Microsoft DirectX[®] 9c or higher
Graphics Displays	<p>2D, Perspective, and Anaglyph Display:</p> <ul style="list-style-type: none"> • Display resolution of 1280 X 1024 X 32 or higher recommended • On board video RAM of 128MB or higher recommended • The latest graphics card drivers recommended <p>Stereo Display Graphics Cards⁶:</p> <ul style="list-style-type: none"> • NVIDIA[®] Quadro[®] 6000, 5000, 4000, 2000, 600 • NVIDIA Quadro FX 5500, 5600, 5800 • NVIDIA Quadro FX 4500, 4600, 4800 • NVIDIA Quadro FX 3400/4400, 3450, 3500, 3800 • AMD ATI FirePro[™] V8800, V8750, V8700 • AMD ATI FireGL[™] V8600 <p>Stereo Display Monitors:</p> <ul style="list-style-type: none"> • Planar SD 3D/Stereoscopic Displays • Planar SA2311W 3D Vision[™] Ready Monitor⁷ • 120 Hz LCD Monitors with NVIDIA[®] 3D Vision[™] Kit⁷ • True3Di Stereoscopic Monitors (19" version tested)

	<ul style="list-style-type: none"> • RealD (formerly Stereographics) CrystalEyes • RealD Monitor ZScreen
Peripherals	<ul style="list-style-type: none"> • DVD Drive required for software installation • One Microsoft Windows compatible mouse with scroll wheel • Microsoft Windows supported hardcopy devices⁸ <p>Software security requires one of the following:</p> <ul style="list-style-type: none"> • Ethernet card with TCP/IP configured, or • One USB port for hardware key, or • One standard (DB25) parallel port for hardware key <p>For advanced data collection select from the following hand controllers⁹:</p> <ul style="list-style-type: none"> • TopoMouse™ or TopoMouse USB™ • Immersion 3D Mouse • MOUSE-TRAK • Stealth 3D (Immersion), S3D-E type, Serial Port • Stealth Z, S2-Z model, USB version • Stealth V, S3-V type (it should be added as a serial device) • 3Dconnexion SpaceExplorer mouse¹⁰ • EK2000 Hand Wheels • EMSEN Hand Wheels
ArcGIS Interoperability	<ul style="list-style-type: none"> • ERDAS IMAGINE and LPS 2011 can be safely installed on a computer that has ArcGIS® 9.3 or 10 • ERDAS IMAGINE and LPS 2011 can interact with both Personal File Geodatabases (file extensions of .mdb and .gdb, respectively) • ERDAS IMAGINE and LPS 2011 can interact with ArcGIS Server 10 Geodatabase servers (ArcSDE) <p>In order to read or interact with a Geodatabase, you must either:</p> <ul style="list-style-type: none"> • Install and license the appropriate version of ArcGIS 10, OR • Install the IMAGINE Geodatabase Support (based on ArcEngine 10), which requires no license

¹ Systems with less than 4GB of RAM will page memory to the hard disk and have significantly lower performance. Page files (swap files) should be at least 1.5 x the amount of RAM. See your operating system requirements.

² Disk I/O is usually the slow point in geospatial data processing. Fast hard disks improve productivity. Reading data from one disk, writing temp data to a 2nd disk, and writing data to a 3rd disk improves performance. Disk arrays improve productivity, but some RAID options slow performance. Network disk drives are subject to network limitations.

³ Microsoft Windows XP x32 limits output file sizes. The maximum output file size depends upon system configuration and rarely exceeds 70GB. All other supported OS versions do not experience this limitation.

⁴ LPS' 3D stereo viewing and peripheral requirements limits its operating system options.

⁵ Microsoft Windows provides a generic OpenGL driver for all supported graphics cards. However, an OpenGL optimized graphics card and driver are recommended for these applications.

⁶ Stereo-enabled graphics cards are needed to view 3D stereo. Because all cards do not work in all computers, verify the card you select is compatible with your computer. When using Planar Stereo displays, please ensure your system can support using two graphics cards in the system simultaneously.

⁷ NVIDIA 3D Vision™ Kit and a compatible NVIDIA graphics card required.

⁸ HP-RTL drivers are recommended. Microsoft Windows x64 print servers require 64-bit print drivers.

⁹ Stealth S-Mouse (S2-S model) and MOUSE-TRAK are the supported hand controllers in Stereo Analyst for ERDAS IMAGINE. TopoMouse is not supported in Stereo Analyst for ERDAS IMAGINE.

¹⁰ 3Dconnexion SpaceExplorer mouse is supported in LPS 2011.