

# ERDAS IMAGINE<sup>®</sup> and LPS<sup>®</sup> 2010

## System Requirements

Processor	<ul style="list-style-type: none"> <li>▪ 32-bit: Intel Pentium 4 HT, Core Duo, Xeon or equivalent</li> <li>▪ 64-bit: Intel 64 (EM64T), AMD 64, or equivalent</li> <li>▪ Dual-core, quad-core and higher are strongly recommended</li> </ul>
Memory (RAM)	2 GB minimum, more strongly recommended <sup>1</sup>
Disk Space	<ul style="list-style-type: none"> <li>▪ 3 GB for installing all software</li> <li>▪ 7 GB for installing all example data</li> <li>▪ Customer data disk space requirements depend upon specific project requirements<sup>2</sup></li> </ul>
Operating Systems	<p>ERDAS IMAGINE and LPS 2010</p> <ul style="list-style-type: none"> <li>▪ Windows Vista x32 SP2 or higher, Business, Enterprise &amp; Ultimate</li> <li>▪ Windows XP Professional x32<sup>3</sup> and x64 SP3 or higher</li> </ul> <p>ERDAS IMAGINE 2010 (support in addition to the above versions)<sup>4</sup></p> <ul style="list-style-type: none"> <li>▪ Windows 7 x32 and x64 Professional &amp; Ultimate</li> <li>▪ Windows Vista x64 SP2 or higher, Business, Enterprise &amp; Ultimate</li> <li>▪ Windows Server 2008 x32 and x64 SP2 or higher</li> </ul>
Software	<ul style="list-style-type: none"> <li>▪ OpenGL 1.1 or higher is needed for IMAGINE VirtualGIS<sup>®</sup>, Image Drape, LPS Terrain Editor, LPS Stereo Point Measurement and Stereo Analyst<sup>™</sup> for ERDAS IMAGINE. Microsoft Windows provides a generic OpenGL driver for supported graphics cards<sup>5</sup>.</li> <li>▪ Adobe Acrobat Reader 7 or higher</li> <li>▪ Internet Explorer 6 and higher with JavaScript enabled, or</li> <li>▪ Firefox 2 and higher with JavaScript enabled</li> <li>▪ Java Runtime 1.6.0.6 will be installed with ERDAS IMAGINE and LPS 2010</li> <li>▪ Microsoft DirectX 9c or higher</li> </ul>
Graphics Displays	<p>2D, Perspective, and Anaglyph Display:</p> <ul style="list-style-type: none"> <li>▪ Display resolution of 1024 X 768 X 32 minimum, higher recommended</li> <li>▪ The latest graphics card drivers recommended</li> </ul> <p>Stereo Display Graphics Cards<sup>6</sup>:</p> <ul style="list-style-type: none"> <li>▪ NVIDIA Quadro FX 4600 (recommended)</li> <li>▪ NVIDIA Quadro FX 4500 (recommended)</li> <li>▪ NVIDIA Quadro FX 3450/4000</li> <li>▪ NVIDIA Quadro FX 3500</li> </ul> <p>Stereo Display Monitors:</p> <ul style="list-style-type: none"> <li>▪ Planar SD 3D/Stereoscopic Displays</li> <li>▪ 120 Hz LCD Monitors with NVIDIA GeForce 3D Vision Kit<sup>7</sup></li> <li>▪ True3Di Stereoscopic Monitors (19" version tested)</li> <li>▪ RealD (formerly Stereographics) CrystalEyes</li> <li>▪ RealD Monitor ZScreen</li> </ul>
Peripherals	<ul style="list-style-type: none"> <li>▪ DVD Drive required for software installation</li> <li>▪ One Microsoft Windows compatible mouse (scroll wheel recommended)</li> <li>▪ Microsoft Windows supported hardcopy devices<sup>8</sup></li> </ul> <p>Software security requires one of the following:</p> <ul style="list-style-type: none"> <li>▪ Ethernet card with TCP/IP configured, or</li> <li>▪ One USB port for hardware key, or</li> <li>▪ One standard (DB25) parallel port for hardware key</li> </ul>

For advanced data collection select from the following hand controllers<sup>9</sup>:

- Topomouse™ or Topomouse USB™
- Immersion 3D Mouse
- Mouse-Trak
- Stealth 3D (Immersion), Serial Port and USB versions
- Stealth Z, Serial port and USB versions
- EK2000 Hand Wheels
- EMSEN Hand Wheels

#### ArcGIS Interoperability

- ERDAS IMAGINE and LPS 2010 may be installed on the same computer as ArcGIS 9.2 or 9.3.

Geodatabase support in ERDAS IMAGINE and LPS 2010 is as follows:

- Install (and license) a copy of ArcGIS versions 9.2 or 9.3, or
- Install IMAGINE Geodatabase Support (requires no additional licensing of ArcGIS)<sup>10</sup>

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1 Systems with less than 4GB of RAM will page memory to the hard disk and have a significantly lower performance than systems with 4GB. The page file (swap file) should be matched to at least 1.5 x the amount of RAM. Please refer to your operating system requirements.

2 Typically, disk I/O is the slow point in geospatial data processing. Fast hard disks can help productivity. SCSI hard disks are typically faster than SATA and IDE drives. Solid state disk drives have quick access time, but sustained rates are slower than traditional spindle hard disks. Disk arrays can improve performance, but certain RAID configurations can slow performance.

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

4 The main cause of differing operating systems supported by ERDAS IMAGINE and LPS are LPS' stereo viewing and peripheral requirements.

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 three-dimensional stereo. Because all cards do not work in all computers, verify the card you select is compatible with your computer

7 Support for the 120 Hz LCD Monitors with NVIDIA GeoForce 3D Vision Kit requires 191.00 3D Vision USB Driver. Only FX Quadro 4600 supports the GeForce 3D vision kit.

8 HP-RTL drivers are recommended. If printing from a Windows x64 operating system the print server will require 64-bit print drivers.

<sup>9</sup> Only Stealth 3D Mouse is supported in Stereo Analyst for ERDAS IMAGINE (Topomouse is not supported).

<sup>10</sup> Geodatabase support was designed using ArcGIS Engine 9.3.1170.0.

## About ERDAS

ERDAS – The Earth to Business Company – helps organizations harness the information of the changing earth for greater advantage.

ERDAS creates geospatial business systems that transform our earth's data into business information, enabling individuals, businesses and public agencies to quickly access, manage, process and share that information from anywhere.

Using secure geospatial information, ERDAS solutions improve employee, customer and partner visibility to information, enabling them to respond faster and collaborate better. It also means better decision-making, increased productivity and new revenue streams.

ERDAS is a part of the Hexagon Group, Sweden. For more information about ERDAS or its products and services, please call +1 770 776 3400, toll free +1 866 534 2286, or visit [www.erdas.com](http://www.erdas.com).

