System Requirements

ERDAS IMAGINE

Computer/ Processor	64-bit: Intel 64 (EM64T), AMD 64, or equivalent (four or more logical processors are strongly recommended)
Memory (RAM)	16 GB or more strongly recommended
Disk Space	6 GB for software 7 GB for example data - Data storage requirements vary by mapping project[1]
Operating Systems [2, 3, 4]	- Windows 10 Pro (64-bit) - Windows 10 Enterprise (64-bit) - Windows Server 2016 (64-bit) - Windows Server 2019 (64-bit)
Software	- OpenGL 2.1 or higher (this typically comes with supported graphics cards [5]) - Java Runtime 1.7.0.80 or higher - IMAGINE Objective requires JRE and can utilize any installed and configured JRE of version 1.7.0.80 or higher - Python 3.6.x or 3.7.x (Python is optionally usable with Spatial Modeler) - Microsoft DirectX® 9c or higher .NET Framework 4.7.2 or higher - OpenCL 1.2 with a device that supports double precision (cl_khr_fp64) if wanting to GPU accelerate NNDiffuse and other Operators - An NVIDIA card with CUDA capabilities is recommended for use with Deep Learning.
Recommended Graphics Cards for Stereo Display [6]	- NVIDIA® Quadro® P6000, P5000, P4000, P2000 - NVIDIA® Quadro® M6000, M5000, M4000, M2000 - NVIDIA® Quadro® K5200, K5000, K4200, K4000, K2200, K600, K420 - NVIDIA Quadro RTX4000
Recommended Stereo Display Monitors	120 Hz (or above) LCD Monitors with NVIDIA 3D Vision™ Kit, or 3D PluraView system from Schneider Digital [7] - Vision Engineering CONTOUR 3D stereoscopic GIS display
Recommended Stereo Glasses and Emitter kits	- NVIDIA 3D Vision™ Kit 3DTV universal Emitter
Peripherals	All software installations require: - One Windows-compatible mouse with scroll wheel or equivalent input device - Printing requires Windows-supported hardcopy devices [8] Software security (Hexagon Geospatial Licensing 2020) requires one of the following: - Ethernet card, or - One USB port for hardware key Advanced data collection requires one of the following hand controllers: [9] - 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 (add as a serial device)

	• 3Dconnexion SpaceMouse Pro [10] • 3Dconnexion SpaceExplorer mouse [10] • EK2000 Hand Wheels • EMSEN Hand Wheels • Z/I Mouse

ArcGIS and GeoMedia Interoperability	• ERDAS IMAGINE can be safely installed on a computer that has GeoMedia 2018 or GeoMedia 2020 installed; however, for greatest compatibility, it is highly recommended to install matching versions (including updates).
	• ERDAS IMAGINE 2020 requires GeoMedia 2020 for live linking. Order of installation does not matter.
	• ERDAS IMAGINE can interact with both types of personal Geodatabases (*.mdb and *.gdb).
	• ERDAS IMAGINE can be safely installed on a computer that has ArcGIS® versions 10.6 through 10.8.1.
	• ERDAS IMAGINE and IMAGINE Photogrammetry (32-bit) can interact with ArcGIS Server 10.6 – 10.8.1 Geodatabase servers (ArcSDE). To read or interact with an Enterprise Geodatabase, you must either:
	    ○ Install and license the appropriate version of ArcGIS for Desktop versions 10.6 through 10.8.1, OR
	    ○ Install the IMAGINE Geodatabase Support (based on ArcEngine 10.7) - requires no license

Database Engines	• PostgreSQL 13.2 with PostGIS 3.1.1: PostGIS can be used to store GeoMedia Features (.pfp) • Oracle Server 12c 12.2 64-bit: Oracle Server 12c can be used to store Oracle GeoRaster (.ogr) (requires Oracle Spatial), SDE Raster (.sdi) (requires ArcGIS for Server) and Oracle Spatial Features (.ogv) (requires Oracle Spatial), as well as GeoMedia Features (.ofp). • Microsoft SQL Server 2017 64-bit: Microsoft SQL Server 2017 can be used to store GeoMedia Features (.sfp)

ERDAS IMAGINE System Requirements Notes

[1] Disk I/O is usually the slowest task in geospatial data processing. Faster hard disks improve productivity. Reading data from one disk, writing temporary data to a second disk, and writing data to a third disk improves performance. Disk arrays improve productivity, but some RAID options slow performance. Network disk drives are subject to network limitations.

[2] Server Operating Systems are not supported for IMAGINE Photogrammetry, ORIMA, or ERDAS ER Mapper.

[3] The 3D stereo viewing and peripheral requirements of IMAGINE Photogrammetry limit its operating system options.

[4] ERDAS ER Mapper is not supported on Windows 8. It is considered Viable on Windows 8.1.

[5] 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] Graphics cards certified with previous versions of IMAGINE Photogrammetry and ORIMA may also be compatible but are not certified in the current version. Drivers must not be newer than R418. NVidia dropped 3D Vision support for drivers released after R418 U4 (425.31), which was released on April 11, 2019.

[7] Stereo Monitors certified with previous versions of IMAGINE Photogrammetry and ORIMA may also be compatible but are not certified in the current version.

[8] HP-RTL drivers are recommended. Windows 64-bit print servers require 64-bit print drivers.

[9] Stealth S-Mouse (S2-S model) and MOUSE-TRAK are the only supported hand controllers in Stereo Analyst for ERDAS IMAGINE.