Release Guide

ERDAS Extensions 2020 SP2 for ArcGIS 10.8.2

Version 16.6.2

March 2022

Contents

About This Release

This document describes the enhancements for 2020 (v16.6.2). Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This document is only an overview and does not provide all the details about the product's capabilities. See the online help and other documents provided with ERDAS Extensions for more information.

New Platforms

ArcGIS Desktop Products

ERDAS Extensions 2020 SP2 supports the ArcGIS 10.8.2, ArcGIS 10.8.1, ArcGIS 10.8, ArcGIS 10.7.1 and ArcGIS 10.7.

Licensing

No additional license is required if customers already have ERDAS Extensions 2020 for ArcGIS 10.7.1 installed and licensed. Otherwise, it is strongly recommended that customers upgrade to the newest version of Hexagon Geospatial Licensing 2020. If in doubt, refer to Windows' Add or Remove Programs utility to determine the currently installed version.

The appropriate download can be found on the Downloads section of the Hexagon Geospatial web site:

https://download.hexagongeospatial.com/search?lang=en&product=b3b4786d3d4742ae8d1e7aeee50dae69

System Requirements

ERDAS Extensions

Computer/ Processor	64-bit: Intel 64 (EM64T), AMD 64, or equivalent (Multi-core processors are strongly recommended)
Memory (RAM)	16 GB or more strongly recommended
Disk Space	• 6 GB for software • 1 GB for example data • Data storage requirements vary by mapping project[1]
Operating Systems [2, 3]	• Windows 10 Pro (64-bit)

Software	• Either one of the following:
	   o ArcGIS 10.8.2
	   o ArcGIS 10.8.1
	   o ArcGIS 10.8
	   o ArcGIS 10.7.1
	   o ArcGIS 10.7
	• OpenGL 2.1 or higher (this typically comes with supported graphics cards[2])
	• Microsoft DirectX® 9c or higher
	• .NET Framework 4.0

Recommended Graphics Cards for Stereo Display	• NVIDIA® Quadro® K5200, K5000, K4200, K4000, K2200, K600, K420 [3]
Recommended Stereo Display Monitors	• 120 Hz (or above) LCD Monitors with NVIDIA 3D Vision™ Kit, or 3D PluraView system from Schneider Digital [3]
Peripherals	All software installations require: • One Windows-compatible mouse with scroll wheel or equivalent input device • Printing requires Windows-supported hardcopy devices [4] 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: • TopoMouse™ or TopoMouse USB™ • Immersion 3D Mouse • 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 • 3Dconnexion SpaceExplorer mouse • EK2000 Hand Wheels • EMSEN Hand Wheels • Z/I Mouse

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

[3] Graphics cards and Stereo Monitors certified with previous versions of ERDAS Extensions may also be compatible but are not certified in the current version.

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

Issues Resolved in ERDAS Extensions 2020 SP2

Stereo Analyst for ArcGIS

Issue ID	Summary – ERDAS Extensions	Description / How to Reproduce
EX-623	Importing MATCH-AT project for oblique images fails	Since some flight companies provide aerial triangulation results with triangulated nadir and oblique images. Importing MATCH-AT project for nadir images works but the project for oblique images fails. It stops with the error message " The project cannot be imported. There are no valid images that can be oriented". It is apparently the orientation data of the oblique images (sections $PHOTO) cause the problems. When these image orientations are deleted from the project file the import process runs through.
EX-624	It is not possible to snap using 3D Streaming Tool	The capture speed has increased considerably using the 3D Streaming Tool. However, with this tool it is not possible to snap to other elements. Please add the snap option to the 3D Streaming Tool.
EX-647	Importing ISAT project is not correct	Images are not imported correctly from ISAT project. 1) The images are rotated 90 Degrees. The scanline_orientation from ISAT camera file is not read to set up proper fiducial axis in block file. 2) The image footprint is off. The active_elevation field in ISAT photo file is not utilized when available.
EX-652	ERDAS Extensions 2020 crashes when loading new (large) ADS images	In ERDAS Extensions 2020 for ArcGIS 10.8, ADS aerial images from 2010 can be loaded. However, newer ADS aerial images which are larger cannot be loaded. ArcMap simply crashes when loading.
EX-654	Calculating statistics for ADS100 images sometimes fails	ERDAS Extensions 2020 sometimes fails to generate statistics for ADS100 images.
IM-58562	ERDAS Extensions 2020 crashes when loading a TIF DEM and performing shaded relief in ArcMap	Steps to reproduce the crash: 1. Open ArcMap. The stereo window should be open. 2. Add a TIFF DEM raster using Add Data. 3. Open the Image Analysis Window under the "Windows" Menu. 4. Select the added TIFF, click on the "Shaded Relief" button in the "Processing" section of the window.

Feature Assist for ArcGIS

Issue ID	Summary – ERDAS Extensions	Description / How to Reproduce
IM-56786	It is not possible to select azimuth from polyline features	Using the Azimuth Selection on the Stereo Rooftop Toolbar, it is not possible to select the azimuth from polyline features.
IM-59178	Snapping for rooftop tools seems like picking up the cursor position instead of the line or vertex.	Snapping for rooftop tools seems like picking up the cursor position instead of the line or vertex, which sometimes leads to snapping failure or wrong azimuth.

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