Release guide

GeoMedia 3D 2023

Version 16.8
8 September 2023

Contents

About this release

This document describes the enhancements, fixes and system requirements for GeoMedia 3D. Although the information in this document is current as of the product release, see the Hexagon Geospatial Community for the most current version.

For information on enhancements, see New technology. For information on fixes with this release, see Issues resolved. For information on hardware and software requirements, see System requirements.

This document is an overview and does not provide all details about the product's capabilities. See online help and other documents provided with GeoMedia 3D for more information.

GeoMedia 3D

GeoMedia 3D is an add-on product for GeoMedia Desktop. GeoMedia 3D is a set of well-integrated commands that give you a wide range of geospatial processing capabilities for defense, intelligence, government, transportation, utilities, communications, public safety and security applications.

GeoMedia 3D extends the functionality of GeoMedia Desktop by integrating 3D visualization and analysis. You can visualize, navigate, analyze and interact with 3D data natively in GeoMedia Desktop. Additionally, you can dynamically integrate surfaces, imagery, feature data and vector data to provide a 3D view of all data sources in the GeoMedia 3D map window.

New platforms

GeoMedia Desktop
GeoMedia Desktop 2023, Essentials tier or higher, is required for this release.

Microsoft Windows
The dpiAware system setting has been changed to "False" to match GeoMedia Desktop so that the settings do not conflict at runtime and high-resolution monitor behavior matches GeoMedia Desktop.

New technology

Licensing
A new product license is required for the 2023 release.

The latest Geospatial Licensing Administration tool should be downloaded and used for this release.

Import 3D Objects

This utility can now import larger datasets through use of a 64-bit architecture.

This utility now generates a GeoPackage warehouse rather than an Access warehouse.

System requirements

Computer/processor	Any x64-based processor
Memory (RAM)	16 GB or more recommended
Disk space[1]	2 GB for software
Operating systems[2]	• Windows 10 (64-bit) • Windows 11 • Windows Server 2016 (64-bit) • Windows Server 2019 (64-bit) • Windows Server 2022
Peripherals	Software licensing requires an ethernet card
Virtual server and virtual app technology	GeoMedia is a standard Windows application that can be compatible with a variety of virtualization technologies such as VMware, Hyper-V, VirtualBox and XenApp. While GeoMedia can run in such environments, any problems that uniquely occur in a virtual environment are considered issues with the virtualization software. For GeoMedia 3D, the graphics emulation for virtual systems must meet the minimum display requirements for the 3D window as stated below.
Prerequisites	• GeoMedia Desktop 2023, Essentials tier or higher • Geospatial Licensing 2023
Database servers[3]	• Oracle Server versions as indicated in the release guide for GeoMedia Desktop • SQL Server versions as indicated in the release guide for GeoMedia Desktop
Database clients	• Oracle Client versions as indicated in the release guide for GeoMedia Desktop • SQL Server Native Client versions as indicated in the release guide for GeoMedia Desktop
System dependencies	• Microsoft .NET Framework 3.5[4]

	• Microsoft Primary Interoperability Assemblies 2005[5]
Graphics display	A minimum SVGA display with 1024x768 resolution is required. 1280x1024 or higher and 32-bit true color are recommended.
Recommended graphic cards	A mid-level to high-end professional video card with a minimum of 1 GB of dedicated video memory and DirectX Version 9 or higher support is required.

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] GeoMedia runs on 64-bit systems in 32-bit emulation mode.

[3] In all cases of database software, support for a specific version is dropped in the GeoMedia context when the database vendor ends support for that version.

[4] For information on installing .NET Framework 3.5 for Windows 10 or Windows 11, see the Installing .NET Framework 3.5 section in the GeoMedia 3D installation guide.

[5] To install, right-click on <root-media>\Repository\Prerequisites\vs_piaredist.exe and select **Run as administrator**.

Issues resolved

Support ticket	Description
00022806	Import 3D Objects fails with SketchUp 3D model.

About Hexagon

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at hexagon.com and follow us @HexagonAB.

Copyright

© 2023 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved. All other trademarks or service marks used herein are property of their respective owners.

Warning: The product made the subject of this documentation, including the computer program, icons, graphical symbols, file formats, audio-visual displays and documentation (including this documentation) (collectively, the "Subject Product") may be used only as permitted under the applicable software license agreement, and subject to all limitations and terms applicable to use of the Subject Product therein. The Subject Product contains confidential and proprietary information of Intergraph Corporation, a member of the Hexagon Group of companies ("Hexagon"), its affiliates, and/or third parties. As such, the Subject Product is protected by patent, trademark, copyright and/or trade secret law and may not be transferred, assigned, provided, or otherwise made available to any third party in violation of applicable terms and conditions cited further below.

Terms of Use

By installing, copying, downloading, accessing, viewing, or otherwise using the Subject Product, you agree to be bound by the terms of the EULA found here: https://legaldocs.hexagon.com/sig/Licenses/EULA_SA_SIG-Eng_062023.pdf.

Disclaimers

Hexagon and its suppliers believe the information in this publication is accurate as of its publication date. Hexagon is not responsible for any error that may appear in this document. The information and the software discussed in this document are subject to change without notice.

Language Translation Disclaimer: The official version of the Documentation is in English. Any translation of this document into a language other than English is not an official version and has been provided for convenience only. Some portions of a translation may have been created using machine translation. Any translation is provided "as is." Any discrepancies or differences occurring in a translation versus the official English version are not binding and have no legal effect for compliance or enforcement purposes. Hexagon disclaims any and all warranties, whether express or implied, as to the accuracy of any translation.

Reasonable efforts have been made to provide an accurate translation; however, no translation, whether automated or provided by human translators is perfect. If any questions arise related to the accuracy of the information contained in a translated version of Documentation, please refer to its official English version.

Additionally, some text, graphics, PDF documents, and/or other accompanying material may not have been translated.

Links To Third Party Websites

This Document may provide links to third party websites for your convenience and information. Third party websites will be governed by their own terms and conditions. Hexagon does not endorse companies or products to which it links.

Third party websites are owned and operated by independent parties over which Hexagon has no control. Hexagon shall not have any liability resulting from your use of the third party website. Any link you make to or from the third party website will be at your own risk and any information you share with the third party website will be subject to the terms of the third party website, including those relating to confidentiality, data privacy, and security.

Hexagon provides access to Hexagon international data and, therefore, may contain references or cross references to Hexagon products, programs and services that are not announced in your country. These references do not imply that Hexagon intends to announce such products, programs or services in your country.

Revisions

Hexagon reserves the right to revise these Terms at any time. You are responsible for regularly reviewing these Terms. Your continued use of this Document after the effective date of such changes constitutes your acceptance of and agreement to such changes.

Questions

Contact us with any questions regarding these Terms.