



HEXAGON

Release Guide

Release Guide

GeoMedia 3D 2020

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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 Support website](#) for the most current version.

This release includes both enhancements and fixes. For information on enhancements, see the New Technology section. For information on fixes that were made for this release, see the Issues Resolved section. For information on hardware and software requirements, see the System Requirements section.

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 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 2020

GeoMedia 3D has been updated for compatibility with GeoMedia Desktop 2020.

New Technology

Licensing

A new product license is required for the 2020 release. The latest Geospatial License Administration tool should be downloaded and used for this release.

Start Menu

The prefix "Hexagon" has been removed from the product name on the Start menu as well as the Windows product uninstall facilities available from Settings and the Control Panel. This provides consistency with other Hexagon Geospatial products, as well as improved ease in finding the product by its familiar name in these product lists.



Support for Tridicon CityGML Format

The Import 3D Objects command has been modified to accept new CityGML format files coming from Tridicon software.

Support For 4K Monitors

Several issues with the GeoMedia 3D user interface have been addressed so that the text, icons, and other items on the user interface will properly scale and display on a high-resolution display.

Insert Threat Dome Command

Added a new Insert Threat Dome command.

System Requirements

Software	<ul style="list-style-type: none"> GeoMedia 2020, Essentials, Advantage, or Professional tier
System Dependencies	<ul style="list-style-type: none"> Microsoft® .NET Framework 3.5¹ Microsoft Primary Interoperability Assemblies 2005²
Operating Systems ³	<ul style="list-style-type: none"> Windows 10 Professional (64-bit)
Computer/ Processor	<ul style="list-style-type: none"> 64-bit: Intel 64 (EM64T) or equivalent
Memory (RAM)	<ul style="list-style-type: none"> 4 GB minimum (8 or more recommended)
Disk Space	<ul style="list-style-type: none"> 1.5 GB total: <ul style="list-style-type: none"> 227 MB installation (required) 1.3 GB Import 3D Utility (optional)
Database Server Engines	<ul style="list-style-type: none"> GeoMedia 3D does not directly access databases. It goes through GeoMedia. See the <i>GeoMedia Desktop Release Guide</i> for database server engines that are supported in this version.
Database Client Engines	<ul style="list-style-type: none"> GeoMedia 3D does not directly access databases. It goes through GeoMedia. See the <i>GeoMedia Desktop Release Guide</i> for database client engines that are supported in this version.
Virtual Server and Virtual App Technology	<ul style="list-style-type: none"> N/A

Graphics Display	<ul style="list-style-type: none"> Minimum SVGA display with 1024 x 768 resolution; 1280 x 1024 or higher and 32-bit true color recommended.
Recommended Graphic Cards	<ul style="list-style-type: none"> 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.

System Requirements Notes

1 For information on installing .NET Framework 3.5 for Windows 10, see the Installing .NET Framework 3.5 section in the GeoMedia 3D Installation Guide.

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

3 32-bit versions of the Windows operating systems are not supported. GeoMedia Desktop and GeoMedia 3D run on 64-bit systems in 32-bit emulation mode.

Issues Resolved

CR #	Summary	Description / How to Reproduce
IG-9765	Need to give message and not allow toggling to 3D the MVA video map window	<p>GeoMedia display locks up with 3D and MVA installed in the following workflow:</p> <ol style="list-style-type: none"> 1. Run GM, select USSample gws 2. toggle 3D 3. toggle back to 2D 4. try to zoom in the map window, nothing happens - the GM display is locked <p>This is due to contention between 3D and MVA for same map window. By default, MVA defines the 1st map window to be the video window when it starts up. If you create a 2nd map window, and toggle that to 3D and back, the GM display works fine. Conversely, if you create a 2nd map window and change the video map window to that and toggle the 1st map window to 3D and back, the GM display works fine.</p> <p>Since the GM display getting locked up is a severe problem, 3D should check if the map window is already defined to be a video map window before it toggles to 3D and give a message and not allow this.</p>
IG-10177	Incorrect error message	If the user attempts to install GM3D without having first installed the prerequisite vs_piaredist files, the error message directs the user to the "..\Installs" folder instead of the "..\Repository" folder.
IG-10349	Using internal, evaluation concurrent licenses results in GeoMedia 3D 16.5 displaying NAG "Software License Notification" 5 second dialog every time when toggling between 3D commands.	<p>Using internal, evaluation concurrent licenses results in GeoMedia 3D 16.5 displaying NAG "Software License Notification" 5 second dialog every time when toggling between 3D commands.</p> <p>Description: I am using an internal license. Every time I use a GM 3D command or toggling to the 3D map window or refreshing it, NAG "Software License Notification" 5 second dialog pops up. I have to wait for 5 seconds and press the "Agree" button in order to get the 3D map window. This behavior is unbearable, especially in demos or training.</p> <p>The NAG "Software License Notification" 5 second dialog should only appear once when selecting first 3D command and no longer when in that geoworkspace session.</p>
IG-10333 00026305	3D - Import 3D Object fails to import city model	<p>Import 3D Object fails to import city model from Tridicon software.</p> <p>There are some Tridicon-related fixed issues in the 3D 2018 Release Guide, but I think none of them matches this case.</p>



Deprecated

Windows 7

After January 14, 2020, Microsoft will no longer provide security updates or support for PCs running Windows 7. Consequently, the Windows 7.0 operating system is no longer supported in GeoMedia 3D 2020.



Contact Us



<https://go.hexagongeospatial.com/contact-us-today>

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Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

[Hexagon's Geospatial division](#) creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).



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