Release Guide

GeoMedia Image Professional 2022

Version 16.7
21 October 2021

Contents

About This Release

This document describes the enhancements, fixes, and system requirements for GeoMedia Image Professional 2022.

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 of the details about the product's capabilities. See the online help and other documents provided with GeoMedia Image Professional for more information.

GeoMedia Image Professional

GeoMedia Image Professional integrates Geospatial Information Systems (GIS) and Imagery Analysis (IA) functionality and workflows into a single solution package. The software merges the benefits of the Hexagon GeoMedia® GIS technology — for fusion of imagery with raster and vector map data, terrain information, and spatially referenced intelligence data — with an electronic light table exploitation capability. The image light table provides capabilities for creating virtual mosaics, image enhancements, image comparison, image annotation, research and negation, directed search over linear and area features, and much more, based on the Image Light Table Plus (ILTP) product from Overwatch Systems.

New Platforms

GeoMedia Desktop 2022

GeoMedia Image Professional has been updated for compatibility with GeoMedia Desktop 2022.

Image Light Table Plus 2020

The latest patch release 25.0.4.4 of Image Light Table Plus 2020 has been incorporated into this release of GeoMedia Image Professional.

PhotoCommon

PhotoCommon 16.7 has been built with the latest ILTP and Common Platforms.

New Technology

Licensing

A new product license is required for the 2022 release. The latest licensing 2022 application should be downloaded and used for this release.

Image Light Table Plus

New Compare Improvements

- Optionally show image title, date, and time

- Split-view mirrored pixel and geo cursors

- Explorer multi-layer compare operation context menu

- Sort layers ascending or descending by image date and time

- Optionally maintain layer setup on Show Original

- Flicker mouse wheel support

- Compare setup mouse wheel support (hold down Ctrl key)

- Flicker ROI window to restrict viewable area

Display and Performance Improvements

- Updated SIPS display profiles

- Manual selection of active SIPS display profile

- Interactive region-based DRA tools

- KOMPSAT-2 and 3A band profiles

- High-resolution display improvements

New Geo Accuracy Improvements

- MSP 1.6 support

- Improved support for ESRI WKT geo

- Updated EPSG geo database

- Gall Stereographic map projection support

- Improved NITF RPC parameter scaling on save

New and Improved Data Formats

- WMTS performance improvements

- JPEG 2000 codestream attributes viewer

- TIFF DEM elevation directory support

- TIFF ZIP compression support

- KML Point, LineString, and Polygon support

Usability

- Copy geo coordinate from cursor location

- Feature Class count summary report

- Support for default symbol feature classes

- Symbol rotation support

- Stereo side-by-side view mirrored pixel and geo cursors

- Stereo mode floating annotation support

System Requirements

Computer/Processor	● Minimum 4-core Intel 64 or equivalent, 8-core or more recommended
Memory (RAM)	● Minimum 8 GB, 16 GB or more recommended
Disk Space[1]	● 1.23 GB for software ● Data storage requirements vary by mapping project
Operating Systems[2]	● Windows® 10 Professional (64-bit)
Software	● GeoMedia Essentials, Advantage, or Professional 2022
Graphics	● Minimum display resolution 1600 x 1200 ● LCD <= 5 ms or higher refresh rate recommended ● Multiple monitors recommended ● NVIDIA Quadro with 3GB RAM or more recommended ● NVIDIA GeForce GTX with 3GB RAM or more ● Install the latest available WHQL driver
Peripherals	Software security requires one of the following: ● Internet connection for online license activation ● Ethernet card for offline license activation ● One USB port for hardware key for offline license activation

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] 32-bit versions of the Windows operating systems are not supported. GeoMedia Desktop and GeoMedia Image Professional run on 64-bit systems in 32-bit emulation mode. Image Light Table Plus is a native 64-bit application.

Issues Resolved

Support Ticket	Summary
00059792 00071774 00079097 IG-22570	If GeoMedia Image Pro is installed, attempting to display an ECW format image crashes GeoMedia. Issue was fixed in GeoMedia Image Professional 2020 Update 1 and higher.
IG-19452	Utilities > Compose RGB command crashes GeoMedia.

Deprecated

None

About Hexagon

Hexagon is a 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 performance, efficiency and resilience of vital services. Its Safety & Infrastructure solutions enable smart and safe cities. Its Geospatial software leverages the power of location intelligence.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.

Copyright

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://www.hexagonsafetyinfrastructure.com/-/media/Legal/Hexagon/SI/Licenses/EULA_SA_SIG-Eng_062021.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.