



HEXAGON

Release Guide

Release Guide

GeoMedia Motion Video Analyst Professional 2020

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Contents

About This Release	3
GeoMedia Motion Video Analyst Professional	3
New Platforms	3
GeoMedia Desktop 2020.....	3
New Technology	3
Licensing.....	3
Start Menu	3
Added Support For 4K Monitors.....	4
System Requirements	4
System Requirements Notes	5
Issues Resolved	5
Deprecated	6
Windows 7	6
SQL Server 2014.....	6
Contact Us	7
About Hexagon	7
Copyright	8



About This Release

This document describes the enhancements, fixes, and system requirements for GeoMedia Motion Video Analyst Professional (MVA), including the Elevation to Raster utility which is included with MVA. 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 new features, 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 Motion Video Analyst Professional for more information.

GeoMedia Motion Video Analyst Professional

GeoMedia® Motion Video Analyst Professional is a desktop motion-imagery analysis tool that is used with GeoMedia to view and analyze full motion video in the GeoMedia environment. When combined with Image Scout or GeoMedia Image Professional and TerraShare or SQL Server, GeoMedia Motion Video Analyst Professional provides a complete Multi-INT solution for end-to-end management and intelligence fusion and exploitation of full motion video, imagery, elevation, and feature data in a single integrated environment.

Elevation to Raster utility converts collections of DTED files to BigTIFF format for use as an elevation surface for MVA to project video footprints and frame to the ground when ground corner points are not provided in the video metadata.

New Platforms

GeoMedia Desktop 2020

GeoMedia Motion Video Analyst Professional and Elevation to Raster Utility have 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.

Added Support For 4K Monitors

Several issues with the GeoMedia Motion Video Analyst Professional 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.

System Requirements

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"> 62 MB for software
Operating Systems ¹	<ul style="list-style-type: none"> Windows 10 Professional (64-bit)² with Windows DVD Player app
Database Server Engines	<ul style="list-style-type: none"> See the <i>GeoMedia Desktop Release Guide</i> for database server engines that are supported by GeoMedia. See below for database server engines that are supported by MVA for video warehouse, clipmark, and registration functionality.
Database Client Engines	<ul style="list-style-type: none"> See the <i>GeoMedia Desktop Release Guide</i> for database client engines that are supported by GeoMedia. See below for database client engines that are supported by MVA for video warehouse, clipmark, and registration functionality.
Software	<ul style="list-style-type: none"> GeoMedia Essentials, Advantage, or Professional 2020 Required for video warehouse, clipmark, and registration functionality: <ul style="list-style-type: none"> TerraShare Server 2.3.413 TerraShare Client 2.3.403 Oracle Server 11.2.0.4, 32- or 64-bit Oracle Client 11.2.0.4, 32-bit -or- SQL Server or SQL Server Express 2016 or 2017 64-bit Required for live video support: Catalina Ground Station (multi-user) or Catalina Lite (single user) 4.2 or 3.3

System Dependencies	<ul style="list-style-type: none"> Microsoft® .NET Framework, Version 3.5. This was included with Windows 7 but must be installed for Windows 10. For information on installing .NET Framework 3.5 for Windows 10, see the GeoMedia Motion Video Analyst Professional Installation Guide.
Virtual Server and Virtual App Technology	<ul style="list-style-type: none"> Not supported
Graphics Display	<ul style="list-style-type: none"> 1920x1080 resolution and 32-bit color minimum. NVIDIA graphics and driver version 341.05 (CUDA 6.5) or higher is required for GPU acceleration of dehaze processing Dual monitors recommended
Peripherals	<ul style="list-style-type: none"> Software security (Hexagon Geospatial Licensing) 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 32-bit versions of the Windows operating systems are not supported. GeoMedia Desktop and GeoMedia Motion Video Analyst Professional run on 64-bit systems in 32-bit emulation mode.

2 Cumulative Update for Windows 10 Version 1511: December 17, 2015 or higher is required ([KB3124200](#)).

Issues Resolved

CR #	Summary	Description / How to Reproduce
IG-4401	MVA - threading mechanism for Brighten filter needs to be modified to improve performance	Performance of Brighten filter seems to have been degrading with each release and needs to be investigated and improved.
IG-11714	MVA - Video warehouse query gives "No current record" error	Attach to a SQL Server video warehouse and save the GeoMedia workspace. Run GeoMedia and open the saved workspace. Click the Save workspace button and exit GeoMedia. Run GeoMedia and open the saved workspace again. Run the Query Video Warehouse command and attempt to perform a query. A message box will be displayed with the message "No current record".

IG-13662	MVA - Clipmark tab sometimes does not display in video window for imported videos	Clipmark tab sometimes does not display in video window for imported videos
IG-13564	Import to video warehouse gives error if GM Image Pro is installed	<p>Import to video warehouse gives error:</p> <p>The procedure entry point ?Fini@CCounterSet@CStats@SDK@NCS@@@UAEXXZ could not be located in the dynamic link library C:\Program Files (x86)\Hexagon\GeoMedia Professional\Spatial Modeler\cphome\Win32Release\bin\Intergraph.Raster.Cfl.dll.</p> <p>if GM Image Pro is installed</p>
IG-13565	Double-click on a clipmark point, then click on snapshot hyperlink, Image Light Table Plus won't start	Double-click on a clipmark point, then click on snapshot hyperlink, Image Light Table Plus (ILTP) won't start. This occurs when GM Image Pro is installed and ILTP has been set as the default viewer for .tif format.

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 by GeoMedia Motion Video Analyst Professional 2020.

SQL Server 2014

Support for SQL Server 2014 is considered to be viable in this release, which means it is expected to work but is no longer tested, and problems that are unique to it are not guaranteed to be fixed.



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 hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).



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