



RELEASE GUIDE

GEOMEDIA MOTION VIDEO ANALYST PROFESSIONAL 2018

Version 16.5
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ABOUT THIS RELEASE

This document describes the enhancements 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, see the Issues Resolved 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 2018

GeoMedia Motion Video Analyst Professional and Elevation to Raster Utility have been updated for compatibility with GeoMedia Desktop 2018.

LICENSING

Starting with the Power Portfolio 2018 release, licenses are no longer based on Certificate-file based technology. Instead, licenses are based on Activation IDs, allowing you to activate products without having to provide Host IDs or other hardware-related parameters. You can also re-host without emailing the licensing team for assistance. The Power Portfolio 2018 release also includes improved tools that make it easier to install licenses, set up license servers, and provide more professional error handling. Finally, the Power Portfolio 2018 release includes improved customer notification in the products, such as an “end of subscription” message in the Start-up screen. These more secure and automated processes, along with a new licensing portal, provide you with a better overall user experience.



NEW TECHNOLOGY

CATALINA VIDEO SERVER

Support for Catalina Video Server 4.2 was added to MVA. Catalina Video Server provides live video streaming, video and metadata transcoding, and storage and retrieval to GeoMedia Motion Video Analyst Professional. Support for Catalina Video Server 3.3 is still available in this version. Support for Catalina Video Server 3.1 is deprecated.

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® 7 SP1 Professional and Ultimate² (64-bit) Windows 10 Professional (64-bit)³ 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 2018 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 2014, 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 is included with Windows 7, but must be installed for Windows 10. For information on installing .NET Framework 3.5 for Windows 10, see the <i>GeoMedia Motion Video Analyst Professional Installation Guide</i>.
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. 4K Ultra HD monitors are not currently supported. • NVIDIA graphics and driver version 341.05 (CUDA 6.5) or higher is required for GPU acceleration of dehaze processing • Dual monitors recommended
Peripherals	<p>Software security (Hexagon Geospatial Licensing) requires one of the following:</p> <ul style="list-style-type: none"> • 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 Windows Media Player is also required if you have the Microsoft Windows 7 N edition.

³ Cumulative Update for Windows 10 Version 1511: December 17, 2015 or higher is required ([KB3124200](#)).

ISSUES RESOLVED

CR #	Summary	Description / How to Reproduce
IG-5906	Show Video Window hangs with live stream when live stream source is unicast and destination is multicast	<p>Customer is using MVA 15.0 and Catalina 3.1. To reproduce:</p> <ol style="list-style-type: none"> 1. stream video to Catalina 3.3 server (unicast) 2. on client, connect to Catalina server through browser 3. start new session, source = (unicast), destination = (multicast) 4. on client, use web tactitview or VLC to verify live stream. 5. on client, run MVA, connect to Catalina 3.3 video server, query for live, add query result to playlist 6. right-click on video in playlist and select Show Video Window => MVA

		hangs.
IG-5124	Video won't play because of unknown tag	Customer dataset contains telemetry data that follows the MISB 0601.5 standard and happens to contain some tags that are unrecognized by GMVA. GMVA currently supports the MISB 0601.4 standard and does not process telemetry samples that contain unknown tags. GMVA should allow for forward compatibility by processing all telemetry samples even if they contain unknown tags.
1-SFMQT1	Slow memory leak issue	If you activate the Loop option on the video playback and just let it run you will see that MVA slowly leaks memory. Also, cycling through was causing the path geometries to grow too large which made the video playback slowdown and become unusable. This has also been addressed.

DEPRECATED

WINDOWS 8

The Windows 8.0 and 8.1 operating systems are no longer supported.

CATALINA 3.1

Catalina Video Server 3.1 is no longer supported.

ABOUT US

Hexagon Geospatial helps you make sense of the dynamically changing world. We enable you to envision, experience and communicate geographic information. Our technology provides you the form to design, develop and deliver solutions that solve complex, real-world challenges. Ultimately, this is realized through our creative software products and platforms.

CUSTOMERS. Globally, a wide variety of organizations rely on our products daily including local, state and national mapping agencies, transportation departments, defense organizations, engineering and utility companies, and businesses serving agriculture and natural resource needs. Our portfolio enables these organizations to holistically understand change and make clear, reliable decisions.

TECHNOLOGY. Our priority is to deliver products, platforms and solutions that make our customers successful. Hexagon Geospatial is focused on developing technology that displays and interprets information in a personalized, meaningful way. We enable you to transform location-based content into dynamic and useable business information that creatively conveys the answers you need.

PARTNERS. As an organization, we are partner-focused, working alongside our channel to ensure we succeed together. We provide the right platforms, products, and support to our business partners so that they may successfully deliver sophisticated solutions for their customers. We recognize that we greatly extend our reach and influence by cultivating channel partner relationships both inside and outside of Hexagon.

TEAM. As an employer, we recognize that the success of our business is the result of our highly motivated and collaborative staff. At Hexagon Geospatial, we celebrate a diverse set of people and talents, and we respect

people for who they are and the wealth of knowledge they bring to the table. We retain talent by fostering individual development and ensuring frequent opportunities to learn and grow.

HEXAGON. Hexagon's solutions integrate sensors, software, domain knowledge and customer workflows into intelligent information ecosystems that deliver actionable information. They are used in a broad range of vital industries.

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