Release guide
GeoMedia Motion Video Analyst Professional 2023

Version 16.8
8 September 2023

Contents

About this release

This document describes the enhancements, fixes and system requirements for GeoMedia Motion Video Analyst Professional 2023, including the Elevation to Raster utility. Although the information in this document is current as of the product release, see the Hexagon Geospatial Community for the most current version.

This release provides compatibility with GeoMedia Desktop 2023 and other underlying platforms, as well as enhancements and fixes. For information on new features, see New technology. For information on fixes, 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 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.

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

Geospatial Licensing
Geospatial Licensing 2023 is required for this release.

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.

System requirements

Computer/processor	Any x64-based processor
Memory (RAM)	16 GB or more recommended
Disk space[1]	62 MB for software
Operating systems[2]	- Windows 10 (64-bit)[4] - Windows 11 - Windows Server 2016 (64-bit) - Windows Server 2019 (64-bit) - Windows Server 2022 Windows DVD Player app is required
Peripherals	Software licensing requires an ethernet card
Virtual server and virtual app technology	Not supported
Prerequisites	- GeoMedia Desktop 2023, Essentials tier or higher - Geospatial Licensing 2023 Required for video warehouse, clipmark and registration functionality: - 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 2017 or 2019 64-bit -or- - PostgreSQL 11 with PostGIS 2.5 - PostgreSQL 13 with PostGIS 3.1 Required for live video support is one of: - Catalina Ground Station (multiuser) - Catalina Lite (single user) 4.2 or 3.3

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 • PostgreSQL/PostGIS 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, Version 3.5. This was included with Windows 7 but must be installed for Windows 10 and Windows 11. For information on installing .NET Framework 3.5 for Windows 10 and Windows 11, see the GeoMedia Motion Video Analyst Professional installation guide.
Graphics display	• 1920x1080 resolution and 32-bit color minimum is required • NVIDIA graphics and driver version 341.05 (CUDA 6.5) or higher is required for GPU acceleration of dehaze processing • Dual monitors are recommended

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

Issues resolved

Support ticket	Description

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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.

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