TacitView®
Media Exploitation Tool

Advanced analytics. Intuitive workflow.

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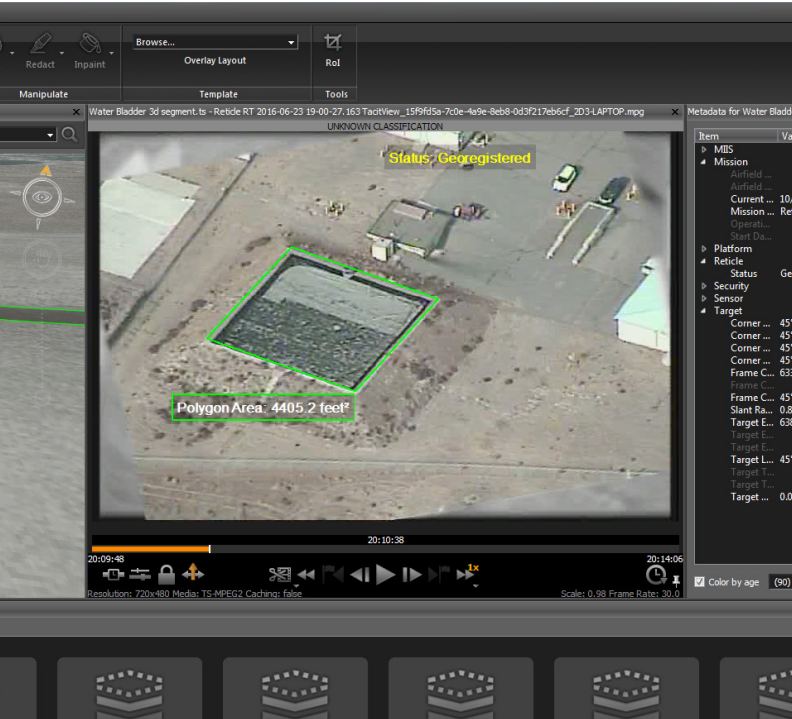
Maximize productivity with powerful full motion video (FMV) media manipulation/management tools. Intuitive user interface enables the next-generation motion imagery experience, bringing advanced analytics to the desktop. From visual enhancement to georegistration, TacitView constructs interpretable metadata-rich media according to your workflow.

KEY BENEFITS & FEATURES

Integrated with Catalina® media server, used as a stand-alone application, or connected to other third party software systems—TacitView offers a host of capabilities that transform imagery into actionable intelligence:

Find and play back media
Use keyword, metadata, geospatial, and temporal search criteria from a wide variety of sources including Catalina, network streams, imagery, files and intelligence libraries.

Mark live or post-mission imagery
Tags are easily identified in the imagery as well as the timebar, and annotations can be published to Catalina or used in derivative products.

Manage your imagery data
Use TacitView's suite of processing tools to enhance and improve FMV with video stabilization and automatic contrast enhancement.

When combined with Catalina media server, TacitView provides georegistered imagery with improved metadata, enabling accurate real-world measurements from uncalibrated capture platforms.

With full support for standards-based file and metadata formats, TacitView makes it easy to deliver media products directly from the software to decision makers following certificate-based security protocols and methods.

TacitView features:
- Debanding
- Dehazing/Contrast Enhancement
- HEVC/H.265
- Mosaicking
- Multi-INT, Geospatial Visualization
- On-Screen Measurement Tools
- Report Generation/Product Creation
- Reticle™ Georegistration Integration
- Stabilization
- Super Resolution/Image Sharpening

1.3 MILLION FLIGHT HOURS

50 GLOBAL SITES OF OPERATION

MODULAR FAMILY OF SYSTEMS

SERVICES, ACQUISITION AND FMS

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TacitView®
Media Exploitation Tool

	GCS	SERVER	WORKSTATION	LAPTOP
TacitView	✓		✓	✓
Catalina	✓	✓	✓	✓

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SPECIFICATIONS

VIDEO

- MPEG-2/H.262
- MPEG-4/H.263
- AVC/H.264
- HEVC/H.265
- MP4
- AVI
- WMV

COMMUNICATIONS

- TCP/UDP
- UDP Multicast
- Web Mapping Service (WMS)
- Cursor on Target (CoT)
- Google Earth (KML)
- Support for customer interfaces through Insitu Development Services
- IPv4
- IPv6

IMAGE FORMATS

- NITF (MIL-STD-2500C)
- STANAG 4545
- Bitmap, JPEG, PNG
- JPEG 2000
- TIFF
- GeoTIFF
- KML/KMZ

METADATA

- KLV (SMPTE 336M-2001)
- Predator ESD
- Cursor on Target (CoT)
- MISB EG 0104
- MISB Standard 0601
- MISB Standard 0102
- MISB STD 1204
- MISB Standard 902
- MISB Standard 1010
- MISB Standard 1107
- STANAG 4609
- MISB Standard 604

AUDIO

- MPEG-2 (MP2 and MP3)
- AAC

ARCHITECTURES

- Windows

GIS UTILITIES

- Digital Elevation Models – DTED/SRTM/GTOPO30
- **Coordinate Formats**: Degrees-Minutes-Seconds / Degrees-Minutes-Decimal Seconds / Degrees-Decimal Minutes / MGRS / UTM / GEOREF / OSGB
- Four Corners Calculations

STREAM FORMATS

- MPEG-2 Program Stream
- MPEG-2 Transport Stream

MINIMUM REQUIREMENTS

- 5+ GHz Intel i3, i5, or i7
- 16 GB RAM
- Windows 10
- 5 GB storage
- NVIDIA 500+ MB RAM
- 1280 x 720 screen resolution
- Two button mouse with scroll wheel
- Standard QWERTY keyboard including CTRL and ALT keys

RECOMMENDED REQUIREMENTS

- 5+ GHz Intel i7 (8th Gen or newer)
- 32 GB RAM
- Windows 10
- 200 GB storage
- NVIDIA Quadro P2000 (or better)
- 1920 x 1080 screen resolution
- Two button mouse with scroll wheel
- Standard QWERTY keyboard including Function keys and numeric keypad

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LICENSABLE FEATURES

Baseline
View video streams, files, and still images with embedded metadata. Generate clips from video streams or files in MPEG-2 (H.262), MPEG-4 (H.263), AVC (H.264), or MP4 (AVC/H.264) formats. Create secondary imagery products from video streams, files, and still images in JPEG, PNG, or BMP formats to remove metadata from output products. Export to JPEG2000, NITF, NSIF, GeoTIFF or KMZ format to preserve metadata in output products.

Annotation
Enables the creation of image-referenced and geospatial-referenced annotations and user-defined tags (bookmarks) to be added to motion imagery or still imagery.

Catalina Connector
Enables discovery, subscription, and publishing of media, annotations, and tags to a specified Catalina Server. Also enables access to advanced Catalina Server features if licensed: Video Mosaicker, 3D Reconstruction, Reticle RT, and Reticle TGT.

Change Detection
Utilizes cutting edge computer vision and machine learning algorithms to automate and streamline change detection at a specified location. Helps users identify changes by searching archived motion imagery from a connected Catalina server. Can be applied to live or existing archives.

Customer Plug-ins
Allows customers to build custom plug-in functionality into TacitView using the TacitView API.

GEOINT Viewer powered by LuciadLightspeed
Enables geospatial visualization of video, still images, annotations, etc., on a 3D Globe for enhanced situational awareness.

HEVC Codec
View video streams and files in HEVC/H.265 format. With Product Creation license, enables the creation of compilation video products consisting of multiple still images, slides and other video clips into HEVC/H.265 format.

Local On-Screen Metadata Editor
Enables on-screen metadata inpainting, on-screen metadata redaction, and on-screen OCR of metadata within TacitView.

Local Archive
Enables a basic Catalina installation to operate with a TacitView instance, operating on the same machine.

NATO CSD Plugin
Allows TacitView to publish to and ingest, query and retrieve products from a NATO CSD.

Product Creation
Enables the creation of compilation video products consisting of multiple still images, slides and other video clips into MPEG-2 (H.262), MPEG-4 (H.263), AVC (H.264), MP4 (AVC/H.264) and/or WMV formats. Additionally enables automated creation of PowerPoint presentations.

Report Generation
Enables rapid generation of RecceXrep reports in compliance with STANAG 3377 Annex B consisting of multiple still images, slides and other video clips into HEVC/H.265 format.

Still Image Georectification
Enables the manual addition of geographic information of a single image derived from still or motion imagery. Requires TacitView Baseline and TacitView GEOINT Viewer.

Still Image Mosaicking
Builds orthoimage mosaics from a series of related still images. Leverages embedded camera position data (EXIF or an accompanying XML file) to optimize the geospatial accuracy of the orthoimage.

Visual Enhancements
Improves visualization of imagery through debanding, dehazing, contrast enhancement, stabilization, sharpening, and super resolution features with motion imagery. Also creates short clips using the Parallax visualizer.

Software is classified as EAR99.