

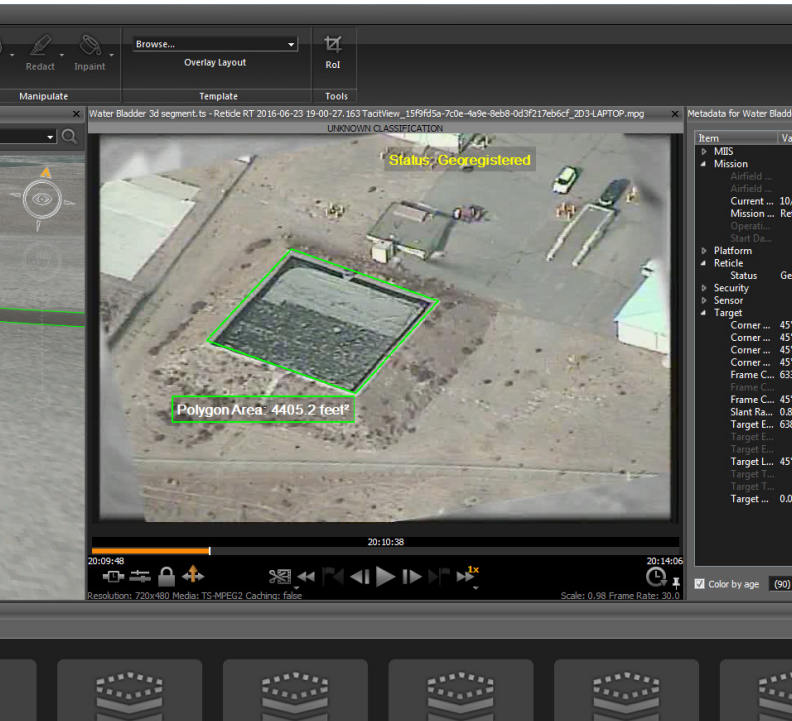
# TacitView™

## Media Exploration Tool

Advanced analytics. Intuitive workflow.



### UNMANNED AIRCRAFT SYSTEMS



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:

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

1.3 MILLION  
FLIGHT HOURS

50  
GLOBAL SITES  
OF OPERATION

MODULAR  
FAMILY OF  
SYSTEMS

SERVICES,  
ACQUISITION  
AND FMS

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# TacitView™

## Media Exploration Tool

	AIR VEHICLE	GCS	SERVER	WORKSTATION	MOBILE
TacitView	✓	✓		✓	✓
Catalina	✓	✓	✓	✓	✓



### 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

- Intel CoreDuo 1 + Ghz
- 1GB RAM
- Windows 7
- 300 MB Storage
- nVidia 256 MB vRam
- 1280x800 Screen Resolution
- Two-button mouse

#### RECOMMENDED CONFIGURATION

- 1.5 GHz+ Intel i5 or i7
- 8GB RAM
- Win10
- 10 GB Storage
- nVidia 500 MB vRam
- Multiple Monitors
- 1920x1080 Screen Resolution
- Two-button mouse with scroll wheel

### 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. 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.

#### 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.

#### Customer Plug-ins

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

#### GEOINT Viewer

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

#### 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 and PDF.

#### 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 or TacitView Basic 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.

#### 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.

#### 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.