FMV Support in ArcGIS

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FMV extension design

- Down looking overhead video
- An integrated video-GIS experience
  - Shared situational displays
  - Indexed datasets - space, time, attribute
- MISB compliant data
- Non-MISB data, with multiplexor
Esri Full Motion Video
Easily view and analyze full motion video data from drones, unmanned aerial platforms, and video cameras within your ArcGIS environment
Seamlessly Interact Between Video and Map

Videos Integrated with ArcGIS

Quickly Find, View, and Analyze Videos

Enable Smarter Decisions with Actionable Intelligence

Share Videos and Analysis Results
View and Access Videos from Drones and Other Collection Platforms

- Drones (UAS, UAV)
- Aerial, Helicopters, Fixed Wing, Persistent Surveillance
- Terrestrial Fixed Cameras
- Handheld Devices
- Satellites
Display Full Motion Video to Make Timely Decisions

Overlay video frames on maps for situational awareness

Pan and zoom in the video for accurate visualization

Live Stream Viewing and Recording for real time information

View video metadata for complete scope of mission

Playback in slow motion for review
Analyze and Exploit Full Motion Video for Actionable Intelligence

Overlay features from your map on the video and annotate videos for complete geospatial analysis.

Measure and track locations on your video in the map, and from the map to your video.

Bookmark videos to reference locations of interest.

Search video archives for full analysis options.

Add video information to models for multi-int analysis.
Dynamic video example
Search Your Videos for Rapid Discovery and Information

Record  Analyze  Share

Load search indexes
Select search criteria
Run the search
Load search indexes
Automate Your Workflow with FMV Geoprocessing

- Capture Live Video
- Extract Video Extent
- Extract Metadata
- Extract Frames
- Mosaic Videos
- Multiplex Videos
The Road Ahead for Full Motion Video (THIS TIME LINE IS NOT UPDATED)

FMV 1.3.2
- Improved Accuracy
- EXIF metadata support
- Enhanced playback performance

Pro FMV Product Development
- New Workflows
- Modern user experience
- 3D
- 64-bit and GPU enhancements

FMV Enterprise
- Video processing
- FMV as part of web GIS

Pro 2.1

2016
2017 Q4
2017 Q4
2017 Q4
2018

Pro 2.x
ArcGIS Pro FMV
Coming 2017 Q4

New Workflows
Modern user experience
3D and Mensuration
64-bit and GPU enhancements
Full Motion Video Landing Page
Easy access to additional information...

- Order the FMV add-in and GP tools
- Customer service information
- Get tutorials and free data
- Presentations
- FAQ’s
- Blogs
- GeoNet links https://geonet.esri.com
- And more!

www.esri.com/fmv
Please Take Our Survey on the **Esri Events App**!

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Complete Answers and Select “Submit”