GEM2MISB

Conversion tool creates non-ITAR metadata and video from geotagged, off-the-shelf cameras

QUICKLY CONVERTS RED HEN VIDEOS TO MISB FORMAT

In intelligence, surveillance and reconnaissance (ISR), video is often collected with lightweight COTS cameras such as GoPro, Android tablets, or cell phones. Until now, there hasn't been a way to convert video taken with those devices to a format that is viewable in ESRI ArcGIS for Desktop or PAR applications.

Red Hen Systems GEM2MISB converter solves that problem and assists people in situations like these:

- You are a PAR user who would like to use smartphones or off-the-shelf video cameras to produce MISB geotagged videos for GV3.0.
- You're an ESRI user and your camera does not create geotagged videos for viewing on an ESRI map.
- You use Red Hen Systems GeoVideo and your Red Hen GEM videos cannot be decoded by ESRI 10.X.

How does it work?

- Using **GEM2MISB**, import your Red Hen geotagged videos and convert those GEM files to KLV-encoded MISB format. Red Hen Systems GEM videos come in a variety of formats (MPG, MPR, AVI, WMV, and more), all of which are encoded with GPS and sensor metadata collected during the video capture.
- If you are an ESRI ArcGIS user, simply purchase and install the inexpensive **ArcGIS Full Motion Video** (FMV) Add-In. Next, load and watch your video while viewing its track on an ESRI map.
- Or purchase and install PAR Government Systems Corporation's GV3.0 (free if you are military or a government contractor). Next, load and watch your video while viewing its track on the map.

Necessary Software and Equipment

- Red Hen geotagged video content
- Viewing application:
  - ESRI Full Motion Video add-in for Arc tools
    or
  - PAR Government Systems Corporation's GV3.0 application
- Red Hen Systems MediaGeotagger (This is optional. It is only necessary if your videos are not yet geotagged, but were captured with a video camera and GPS unit.)

VIDEO CONVERSION

GEM2MISB converts geotagged video from Red Hen Systems, to MISB format. Geotagged videos can be Red Hen GEM video or video/XML output from MediaGeotagger.

What you need:
- Red Hen Systems geotagged video files (or MediaGeotagger and a GPS track log if your videos are not yet geotagged)
- Red Hen Systems GEM2MISB
- Viewing applications: ArcGIS Full Motion Video add-in or PAR GV3.0

What you get:
- Quick and easy way to convert your geotagged video files to MISB format
- Superior method for viewing MISB videos and their associated tracks in ESRI 10.X or PAR GV3.0