ForensicVideo-FA – Format Analyzer

Software tools for forensic analysis of video files formats

DiViLine software

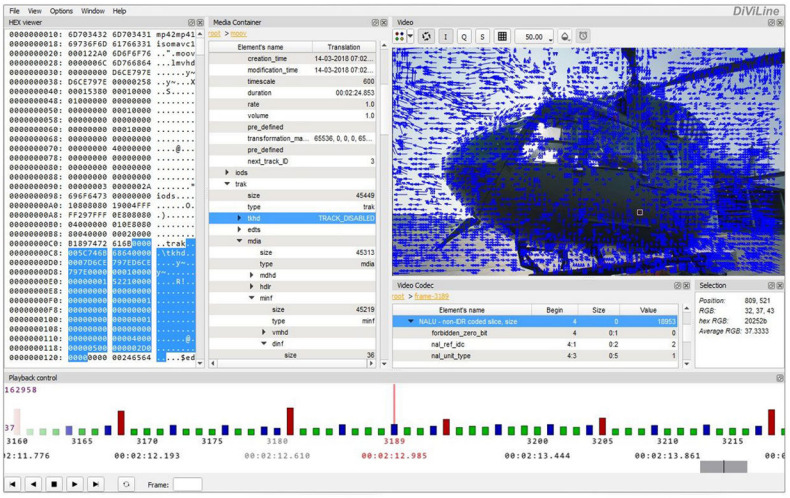
ForensicVideo-FA

Video File Format and Codec Analyzer

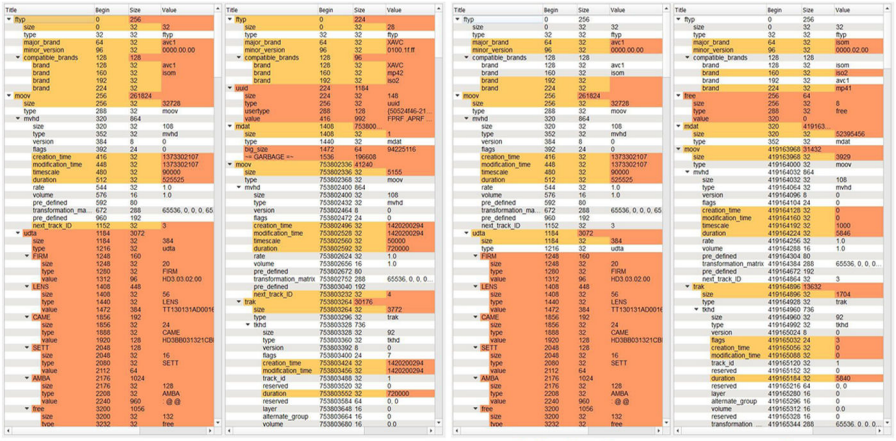
Strong forensic video format analyzer!

Applications

- Documenting video file properties.
- Search and retrieval of forensically significant elements.
- Establishing the origin of the video file.
- Identification of the video recorder.
- Identification of software that was used to create the video file.
- Establishing the identity of origin for two or more video files.
- Recompression detection.
- Search for changes in video stream parameters for detecting video editing without recompression.



New features for analyzing the structure of video files.



GoPro Hero3 vs Sony HDR-AZ1

GoPro Hero3 vs ffmpeg recompression

Key Features

- Comparition tools for video file structures (origin authentication).
- Simultaneous analysis of the video codec and media container.
- Support of all major media containers AVI, MKV, MOV etc.
- Supports of all popular video codecs H.264, MPEG-4 etc.
- The import file and fast navigation.

ForensicVideo-FA allows to get/see and analyze:

search
compare
identify

- The structure of the container in a tree (window «Media Container»).
- The structure of the encoded video a tree (window «Video Codec»).
- Summary information about each video frame (window «Frame»).
- Information on each macroblock (window «Macroblock»).
- Visualize of motion vectors, quantization levels, sizes, types and partitioning of macroblocks.
- Binary data corresponding to the individual elements of the video (window «HEX viewer»).
- Summary information about the video file (the type of audio or video codec, file creation time, etc.) based on MediaInfo end ExifTool.
- Comparing video file structures (elements of mediaconteiner's tree, elements of video codec's tree, MediaInfo and ExifTool summary information).

DiViLine
Special Video Systems

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