

▶ VIDEO/PHOTO ANALYSES



FORENSIC AUTHENTICITY ANALYSES OF VIDEO OR PHOTO EVIDENCE

is important whether you are the proponent or the opponent of the video or photo evidence. Thorough **Forensic Authenticity Analysis** of a video or still image ensures, among other things, that i) evidence of any type of tampering will be exposed, ii) any signs suggestive of falsification will be appropriately analyzed and explained, and iii) a basis for determining whether the video or still image is trustworthy as a whole can be established. Some issues that we can address include:

- Objective and thorough forensic authenticity analyses can be conducted to determine whether the submitted video recordings are original, continuous, unaltered, and consistent with the operation of the putative original recorder used to make the recording at issue.

- Objective and thorough forensic authenticity analyses can be conducted to determine whether the submitted photo/digital image is an original, unaltered, and consistent with the operation of the putative original recorder used to make the original photo/image at issue.

- Forensic analysis for non-destructive, digital enhancement of any still image from any source, e.g., security video, by various techniques, including native frame averaging, use of overlay filters to clarify edges, high-pass filters to differentiate color borders, etc. In a recent case, **Y&J** proved beyond a reasonable doubt the crucial relative timing of arrival between 2 different emergency vehicles.



VIDEO OR PHOTO EVIDENCE (continue)

- **Photogrammetry** - accurately assess scale within a scene to measure objects or heights of people, etc. in a photograph or still image. In a recent case, **Y&J** determined from the available video evidence the height of a suspect within 1/4" of the actual height.
- **Grayscale Opacity Pixel Sampling** - by creating and measuring the grayscale values of pixels within still images, movement that may not be clear to the human eye can be accurately measured, tracked and demonstrated. In a recent case, **Y&J** disproved allegations of contact which allegedly caused injuries by objectively showing the lack of movement of a vehicle while near the claimant.
- Forensic evaluation of **metadata** to determine if an image is what it purports to be.
- Extract fingerprints from backgrounds using color isolation techniques.
- Color exposure or color shift corrections in submitted evidence photos.
- Low quality camera lenses are susceptible to a photographic problem called *refraction*. **Refraction** is when light reflects off the camera's lens, creating an illusory light profile. The most common result of *refraction* is known as *lens flare*, a ring of light around, or near a light source. **Y&J** can properly determine if what appears to be an artifact is actual light from a light source, or illusory due to refraction.

See, e.g., [letter from New Jersey law firm about video authenticity analyses](#)

YONOVITZ & JOE, LLP

Our team of forensic experts can analyze any audio, voice or video evidence, produce a solid report with demonstrative exhibits, and provide expert testimony in any case in any jurisdiction.

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PLEASE NOTE: to send evidence, please contact us for a specific address, depending on the type of evidence and from where the evidence is being sent.