

IVC Relay Server software includes the capability to record video either on an on-going basis or upon an event. This can include both pre-event and post-event video.

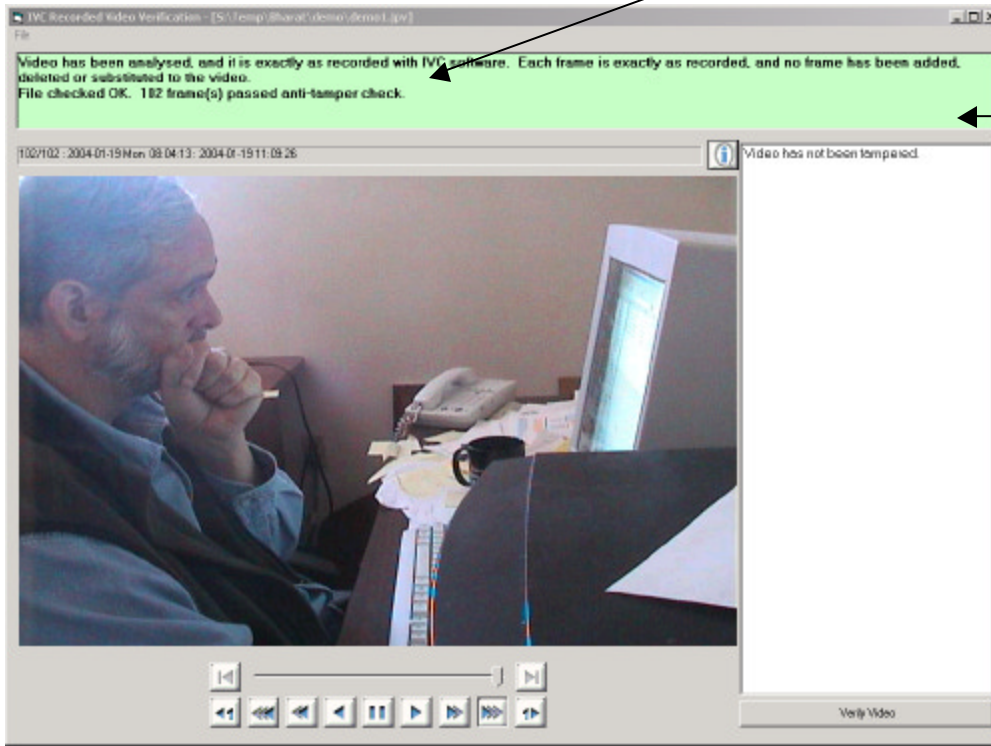
In some cases, it is important to assure that integrity of the captured video segment can be verified. This can be in response to questions about whether a recorded segment accurately depicts an event that took place. For example, if a theft is captured on video, and the recorded segment is to be used in court, it would most likely be necessary to assure the court of the authenticity and accuracy of the video segment – basically that it has not been tampered with since it was recorded.

IVC has addressed this issue by recording its video in a format (.jpv), which incorporates proprietary features that allow detection of any tampering or modifications of stored video segments subsequent to their recording. In this format, the video segment file incorporates data that assures that alteration of video or any deletion, addition, or rearrangement of the frames in the video file will be detectable when the video is played back in an IVC video player. Even a very minor alteration of a single frame is detectable.

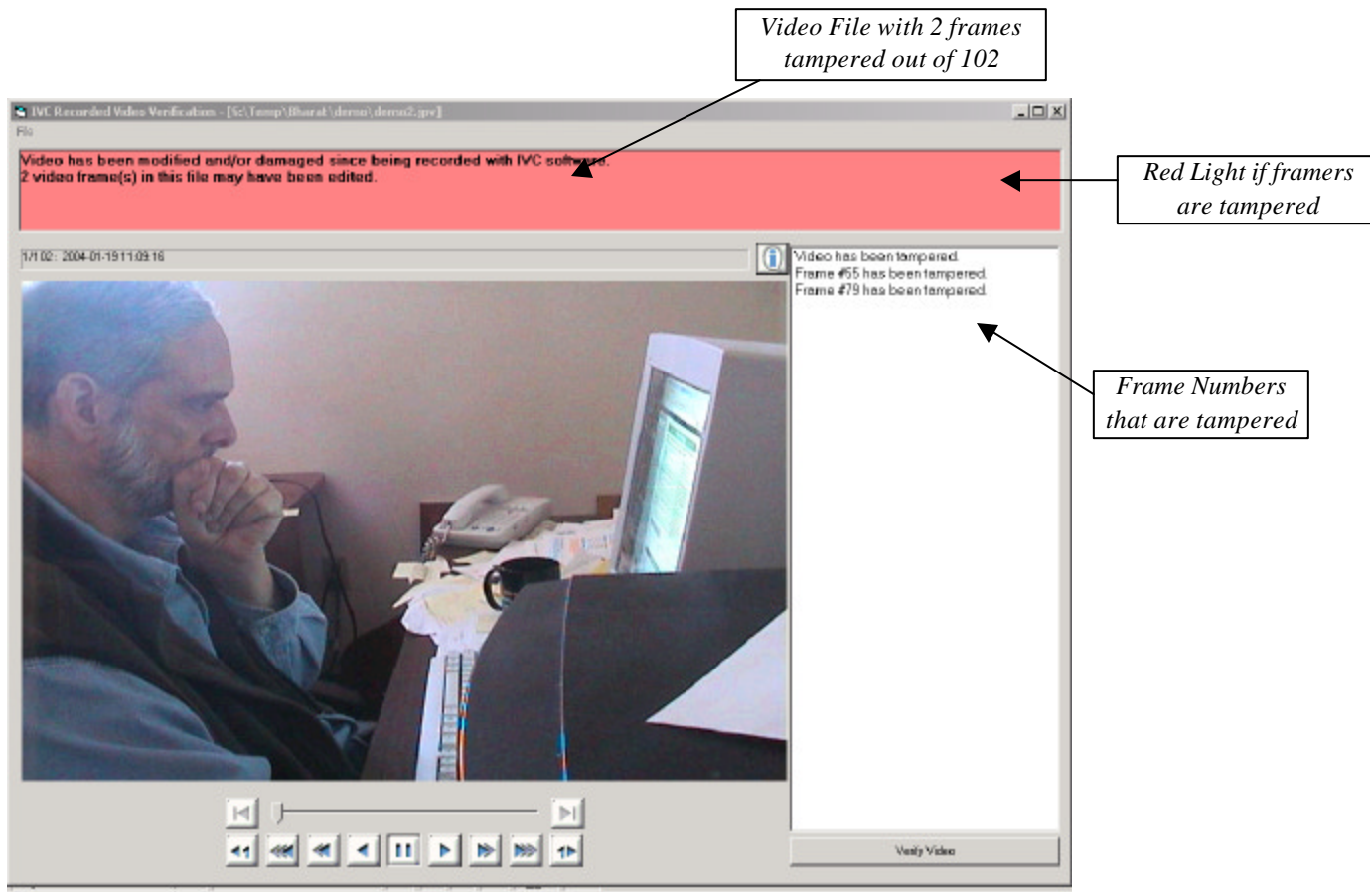
As shown below, when played back using the IVC Viewer / Verification program, all altered frames are listed. The Viewer / Verification program allows frames to be advanced one at a time and the specific altered frames are displayed and identified.

Screen captures:

*Video File with 102 frames
verified that are not tampered.*



*Green Light if
video is not tampered*



While playing the tampered video file if frame number 1 is tampered then the light will be red for frame 1 and for rest of the frames it will be green.

The Viewer / Verification program has a user-friendly interface. It is available as a stand-alone player as well as an Active-X control. A captured video segment, which is stored on an IVC Relay Server, can be viewed locally or remotely over a network from a browser. In addition, it can be copied to a DVD or other media, together with the stand-alone player, and viewed and verified on any PC.

The technology used is proprietary and IVC is considering applying for patent protection.