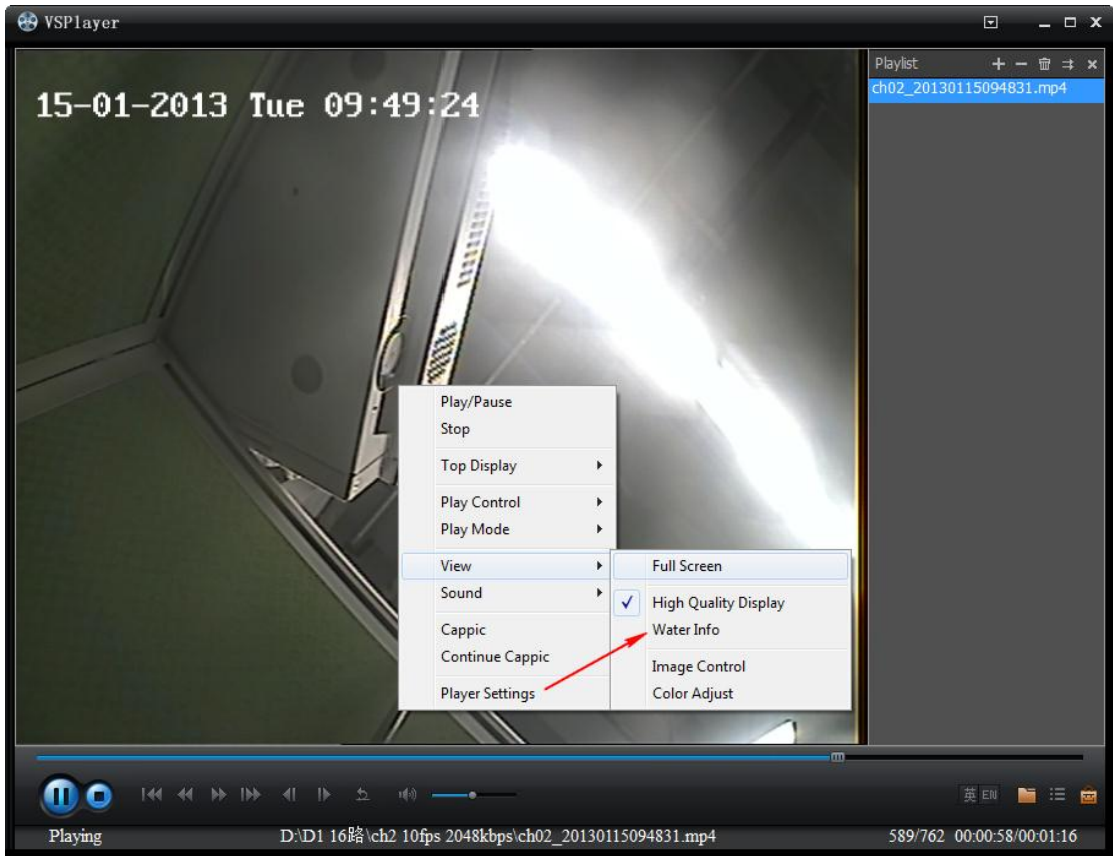# Digital Watermark

A **digital watermark** is a kind of marker covertly embedded in a noise-tolerant signal such as audio or image data. It is typically used to identify ownership of the copyright of such signal. "Watermarking" is the process of hiding digital information in a carrier signal; the hidden information should, but does not need to contain a relation to the carrier signal. Digital watermarks may be used to verify the authenticity or integrity of the carrier signal or to show the identity of its owners.

Our watermark information is embedded in the I frame of the video data. You can see the watermark information via our own VSPlayer.

1. Use the VSPlayer to play a download video file. Showed as figure below.

2. Right click on the screen, click the "Water Info". Showed as figure below.

3. Then the watermark information will show on a window. Showed as figure below.
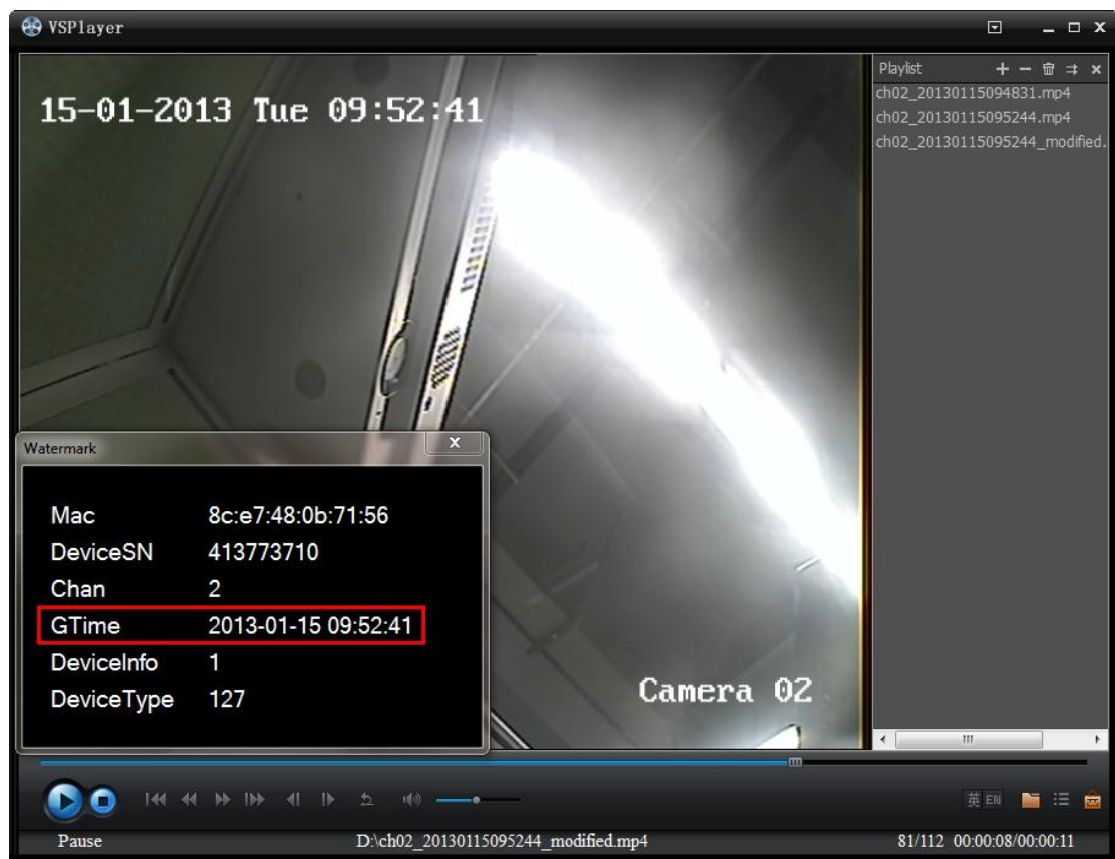

If you modified something about the video player, the watermark information will be

changed. The modification could be rotation, scaling, compression many other possible ways.

In my situation, I merge another video with the original video file. Repeat the steps above to see the watermark information.

You can see the watermark information has changed. The GTime has skipped a little. According to the watermark information, you can see whether if the video file has been modified.