SAFEGUARDING INTEGRITY

SEAC BANCHE watermarking antifraud software

capture:secure:process

SEAC
BANCHE

SEAC BANCHE watermarking antifraud software

In order to ensure the integrity of captured images throughout their entire life, SEAC BANCHE has developed a unique invisible and secure Watermark that is embedded into the image at the time of capture.

An invisible Watermark is a piece of information that is added automatically to the image which cannot be identified as such and which assures the total integrity of the image. By embedding a signature or secret code into the image as soon as the image is captured and by using a special decoding engine which knows the code of the embedded digital signature, you can identify whether the image has been tampered with. Insertion, deletion or substitution of data within an image is conferred to be the replacement of the original image by a fraudulent one.

SAFEGUARDING INTEGRITY

The Watermark is hidden (data hiding) in the host data (cover image) in a way that makes it inseparable from the data but which does not degrade the host document.

A Watermarkng system is usually divided into three distinct steps; embedding, attack and detection.

In embedding an algorithm accepts the host (original image) and that data (identification code/signature) to be embedded thus producing a Watermarked image. The Watermarked image is then transmitted or stored.

A subsequent modification to the Watermarked image is called an attack. There are many possible types of modifications, for example, reduced compression of the image, cropping the image or intentionally adding noise by modifying parts of the image with a similar part of another image (for instance, replacing the amount of a check by a different amount).

Seac Banche Watermarking application, is able to detect and to recognize any tampering action on the file.