Face Spoof

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What is Face Spoof

Face spoof is a video that replicates or imitates another video or real-life event.

Face recognition systems are vulnerable to photographs and videos spoof, so that why we need to build anti-spoof systems.

It analyzes the texture, structures, information, liveness and image quality.

Disadvantages:

1. Video/Replay can tresspass this kind of security
2. High image/videos quality can tresspass ass well

A study has found that using a termal sensor and the face recognition has more capabilities. **Study Here!**

Meanings

1. SVC = Support Vector Classifier => This classifies the real and spoof faces, it has a 99,6% of garantee that wil show who is the real and fake.

2. CIELUV = CIE => International Commission on Illumination => L U V, it´s the colorspace.It is a matheatical model that represents a human perception of color at more accurately color spaces.

3. YCbCr = It is a Luma(Y), Chroma Blue(Cb) and Chroma Red(Cr) color space.

4. MTCNN(Multi-Task Cascaded Convolutional Neural Network)

5. Convolutation Neural Network = Is a filter to an input that results in an activation.

Steps: 1. Image is passed through P-net predition, then the output is passed to R-net who improves the acuracy and then it get return a list of real and spoof vectors.