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Seventh Sense™

OpenCV Face Recognition

World Class FR

Our product utilizes deep learning technology to detect, recognize, and compare faces with high accuracy. It offers various applications such as one-to-many Face Search, one-to-one Face Comparison, eKYC, Access Control, and attendance management.

One of our distinctive features is the ability to detect Presentation Attacks (Liveness/Anti-Spoofing) using just a single image, enhancing the user experience significantly.

Being an API-based solution, OpenCV Face Recognition can be easily deployed on any internet-connected device capable of capturing facial images and sending them to our servers.

Liveness

Our liveness achieved Attack Presentation Classification Error Rate (APCER) of 0% and reached Level 2 compliance in accordance with ISO 30107-3.



Unparalleled Performance of our NIST Twins Analysis



Seventh Sense stands out in the NIST Twin Analysis and Report 2022, exceeding a threshold with unparalleled performance. This includes exceptional results in False Match Rate (FMR) evaluations.

The comprehensive evaluation shows that even on the challenging task of twin comparison, Seventh Sense records the lowest FMR amongst peers.

	Identical Twins FMR	Fraternal (same sex) FMR	Fraternal (diff-sex) FMR	Twins (Immigration) FMR
Cloudwalk	0.9960	0.8550	0.1250	0.8540
Clearview AI	0.9940	0.7970	0.0150	0.8530
Paravision	0.9950	0.7830	0.0440	0.8680
Rankone	0.9930	0.7930	0.0290	0.8010
Sensetime	0.9960	0.8120	0.0290	0.8330
Sevethsense	0.9910	0.7390	0.0150	0.7770

* Lower FMR is better



Racial Bias

To assess racial bias in a model, we can examine and compare the variance between blue and red dots across various countries with diverse racial profiles. If the variance is consistent across all countries, it suggests no country-dependent bias. As illustrated in the chart, our model's variance is constant, implying it's not country-biased, hence displaying minimal racial bias.