IDEMIA

IDEMIA's facial recognition ranked #1 in NIST's latest FRVT test

IDEMIA's facial recognition 1:N algorithm achieved best for accuracy in the latest Face Recognition Vendor Test (FRVT) from the National Institute of Standards and Technology (NIST).

\#   **IDENTITY**

\#   **TRAVEL**

\#   **JUSTICE & PUBLIC SAFETY**

POSTED ON 04.06.21

IDEMIA today announced that its facial recognition algorithm 1:N came top among 75 tested systems and 281 entrants in NIST's latest FRVT[1].

FRVT measures how well facial recognition systems work for civil, law enforcement and security applications covering accuracy, speed, storage, and memory criteria. FRVT test results are acknowledged to be the gold standard of the global security industry.

NIST's March 26, 2021 test results establish beyond all doubt that IDEMIA has the best identification system on the market. Taking border control systems as an example, IDEMIA achieved the best accuracy score of 99.65% correct matches out of 1.6 million face images.

One of the important aspects of AI-based automated facial recognition is to teach its various algorithms not only to be accurate, but equally important fast and optimized for fairness. It is all about striking the right balance when dealing with large volumes of face images. IDEMIA's facial recognition solutions work with or without mask[2] and with the best trade-off between speed and accuracy[3], demographic parity[4] and are able to process face profile images[1].

FRVT evaluated IDEMIA's core algorithms underlying all its systems using facial recognition which address access control, public security and border control needs.

> *IDEMIA has always advocated for responsible and ethical use and development of biometric technologies. The test results confirm IDEMIA's long-standing expertise in facial recognition AI-based research and how advanced our technology is. We strive to demonstrate our leadership by regularly taking part in NIST tests. It's very important to have government agencies check how our algorithms measure up against other algorithms based on large data volumes. We're thrilled that our results consistently come out at the very top.*

IDEMIA's Chief Technology Officer Jean-Christophe Fondeur

[1] FRVT 1:N Identification (nist.gov)
[2] Biometric Technology Rally hosted by Department of Homeland Security (DHS) ranking, March 2021
[3] FRVT 1:1 Verification (nist.gov), March 2021
[4] FRVT part 3 : Demographic effect (nist.gov), December 2019

About us - IDEMIA, the global leader in Augmented Identity, provides a trusted environment enabling citizens and consumers alike to perform their daily critical activities (such as pay, connect and travel), in the physical as well as digital space.

Securing our identity has become mission critical in the world we live in today. By standing for Augmented Identity, an identity that ensures privacy and trust and guarantees secure, authenticated and verifiable transactions, we reinvent the way we think, produce, use and protect one of our greatest assets – our identity – whether for individuals or for objects, whenever and wherever security matters. We provide Augmented Identity for international clients from Financial, Telecom, Identity, Public Security and IoT sectors. With close to 15,000 employees around the world, IDEMIA serves clients in 180 countries.

For more information, visit www.idemia.com and follow @IDEMIAGroup on Twitter.

your press contact(s).

IDEMIA - HAVAS PARIS PR AGENCY

+ 33 6 63 73 30 30
idemia@havas.com