



IDEMIA Public Security Achieves Top Position in RIVTD Evaluation for Biometric Accuracy and Fairness by the Department of Homeland Security

IDEMIA meets DHS benchmarks in its RIVTD Track 3 Assessment, showing unmatched trust, security, and performance in its remote identity verification solution.

ACCESS CONTROL JUSTICE & PUBLIC SAFETY TRAVEL

POSTED ON 01.22.25

Courbevoie, France. January 22, 2025 – IDEMIA Public Security, the leading provider of secure and trusted biometric-based solutions, proudly announces its top-ranking results in the Department of Homeland Security's (DHS) Science and Technology Directorate (S&T) Remote Identity Validation Technology Demonstration (RIVTD)¹. IDEMIA emerged as a clear leader in Track 3: Liveness Detection, showcasing unparalleled biometric accuracy and fairness.²

The RIVTD series is a rigorous evaluation designed to challenge and advance the capabilities of remote identity verification technologies, and assess its effectiveness. IDEMIA's #1 ranking in track 3 among the participants underscores yet again its commitment to developing cutting-edge biometric algorithms that excel in real-world scenarios, secure against sophisticated attacks, and meet the highest standards of fairness.

IDEMIA achieved flawless results in liveness detection, ensuring zero successful attacks while consistently reaching the demanding user experience satisfaction and delivering superior accuracy across demographic groups including gender, race, and skin tone. These results set a new benchmark for the biometric industry, and emphasize fairness, a global legal and ethical requirement and a crucial standard in biometrics and algorithms.

Our leadership in the RIVTD evaluation reflects our unwavering focus on creating technologies that not only deliver accuracy, but also operate equitably across diverse populations. In a rapidly evolving regulatory landscape, fairness is becoming a legal necessity on top of a moral and ethical imperative.

Vincent Bouatou, Chief Technology Officer, IDEMIA Public Security

For businesses and governments, selecting a biometric technology provider is no longer just about performance – it's about compliance, inclusivity, and cost-effectiveness. Choosing an algorithm with demonstrated fairness and accuracy ensures alignment with emerging regulations, avoiding the risks, such as legal challenges and reputational harm, that is associated with non-compliant vendors. Beyond fairness, biometric accuracy translates directly into operational efficiency. A missed match costs organizations not just time, but money, whether in lost opportunities or additional resources for manual verification.

By selecting IDEMIA, organizations gain more than just technology and innovation – they secure a partnership grounded in trust, the highest levels of security, and proven results in accuracy, fairness, and user experience. IDEMIA delivers solutions that lead the market in security, performance, and impact, whether it's enhancing security for law enforcement, streamlining identity verification for enterprises, or ensuring compliance in sensitive industries. For more information on IDEMIA's public security solutions and products, [click here](#).

¹ This publication is based upon work conducted under the U.S. Department of Homeland Security Cooperative Research and Development Agreement No. 24-TCBI-019. The views and/or conclusions contained in this document are those of the author(s) and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Department of Homeland Security (DHS), and do not constitute a DHS endorsement of the equipment tested or evaluated.

² This information was determined based on demonstrations and assessments conducted at the Maryland Test Facility as part of the Remote Identity Validation Technology Demonstration held in 2024 under a Cooperative Research and Development Agreement. The performance metrics and/or ranking does not constitute an endorsement or guarantee by the U.S. Government.

About IDEMIA Group - IDEMIA Group unlocks simpler and safer ways to pay, connect, access, identify, travel and protect public places. With its long-standing expertise in biometrics and cryptography, IDEMIA develops technologies of excellence with an impactful, ethical, and socially responsible approach. Every day, IDEMIA secures billions of interactions in the physical and digital worlds.

IDEMIA Group brings together three market-leading businesses that enable mission-critical solutions:

- **IDEMIA Secure Transactions** is the leading technology provider who unlocks safer and easier ways to pay and connect.
- **IDEMIA Public Security** is a leading global provider of biometric solutions that unlock convenient and secure travel, access, and protection.
- **IDEMIA Smart Identity** leverages the power of cryptographic and biometric technologies to unlock a single trusted identity for all.

With a global team of nearly 15,000 employees, IDEMIA Group is trusted by over 600 governmental organizations and more than 2,400 enterprises in over 180 countries. For more information, visit www.idemia.com and follow @IDEMIAGroup on X.



your press contact(s).

GENEVIEVE DE VERA

IDEMIA Public Security North America

+1 (978) 808-7047

genevieve.devera@us.idemia.com