



unissey

PRESS RELEASE
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UNISSEY: first facial biometrics solution to be assessed as compliant with ISO/IEC 30107-3 standard Level 2 substantial by the European laboratory Cabinet Louis Reynaud Labs (CLR Labs)



With **CLR Labs' substantial Level 2 Conformity Assessment**, this is yet another **sign of confidence and robustness for UNISSEY** and its facial biometric authentication technology. It proves its ability to detect attacks when presenting ultra-sophisticated biometric artefacts. Based on a simple video selfie of less than one second, **the solution remotely confirms that the user is who he or she claims to be, while instantly blocking even the most complex fraud attempts.**



UNISSEY pioneers the highest level assessment path to ensure a robust solution to any complex biometric fraud

UNISSEY's mission is to strengthen its biometric verification solution to **provide the highest level of security**. The ability to detect presentation attacks provided by the T.O.E. (Target of evaluation) "Liveness detection v1.5.0" of UNISSEY has therefore been **tested by CLR Labs according to the ISO/IEC 30107-3 Biometric Presentation Attack Detection standard and found to be compliant with level 2 (substantial) according to the test plan on both phone and computer.**

This second level compliance assessment is designed to evaluate Unissey's biometric solution in **passive liveness detection** and the robustness of its algorithms against fraud. This is **the highest substantial level in the identity market incorporating presentation attacks (PAD).**



A high-level biometric evaluation for presentation attacks, reflecting the current rise in frauds

Today, **biometric fraud attempts are more difficult to detect, with more and more sophisticated presentation attacks**. These can take the form of photo prints on paper, video presentations on screen or realistic 3D masks. This type of attack is expected to increase as 100% online journeys accelerate, forcing systems to use more robust means to verify identity data.

The **CLR Labs Level 2** assessment fits perfectly into this new paradigm and allows us to **certify the robustness of biometric solutions to block these attacks**.

Testing method



For the attacks performed on the solution, masks of different materials, such as silicone or latex, were used. Especially made for the UNISSEY solution, they met high quality standards, and could be worth up to 500 euros and more each. In addition, specific **PAI (Presentation Attack Instrument)** were prepared and **tailored to the solution**^{*}, which required 25 days of preparation. Overall, over 2000 presentations were conducted to complete this evaluation.

The tests took place over a period of two months. All 2,000 attacks performed were detected by the T.O.E. which recorded an **APCER of 0%**. This means that **no attack was able to pass**. An outstanding result that confirms the **power of the liveness detection algorithms** developed by UNISSEY, both **on phones and computers**.

*Example of a high quality 3D attack mask, specially made for the Unissey solution, from photographs and 3D scan of the face of many volunteers:



Face of reference for the making of the 3D mask



Ultra-realistic 3D attack mask



Promote the emergence of a European ecosystem for facial biometrics with the objective of sovereignty and strategic autonomy for France and Europe

The global giants in the field of facial biometrics have largely succeeded in establishing themselves thanks to a long-standing presence in related markets linked to other use cases, in France, Europe and the rest of the world. Today, this evaluation demonstrates that it is possible **to trust French national talents**, thanks to their **expertise** and **skill in the field**.



About Unissey:

Unissey is an innovative startup based in Paris, providing solutions in the field of identity confirmation by facial biometrics. With a team of more than 20 experts in biometrics, digital identity, and artificial intelligence, it creates an intuitive, secure, and accessible experience to access the digital world. Unissey focuses on critical issues such as the fight against biometric discrimination, data protection, and the fluidity of the customer experience.

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About CLR Labs, group Cabinet Louis Reynaud:

CLR Labs is the European laboratory dedicated to the evaluation of biometric and security technologies founded by multidisciplinary industry experts with a century of experience in biometrics and security based at La Ciotat (France). Many manufacturers, implementers of complex systems and French and European Trust Service Providers trust them to assess their products and solutions using biometric technologies in the context of border crossing, secure payment, physical access control, online electronic authentication and more generally in the field of digital identity management and verification. CLR Labs is supported by TEAM @ Mines Saint-Étienne, the technological hub of the Ecole des Mines of Saint-Étienne, France and is a shareholder of the French Campus Cyber.

www.clrlabs.eu