# VisionPass – IDEMIA's facial recognition device

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IDEMIA's facial recognition device VisionPass gets best results from iBeta anti-spoofing evaluation.

## VisionPass is the only terminal in the world for this market to achieve a 100% accuracy performance—constituting an essential guarantee of quality:

- VisionPass device cleared with 100% accuracy the iBeta PAD (Presentation Attack Detection) tests measuring resistance to photo and 3D mask presentation attacks
- This is an essential quality criterion for such a device intended to strengthen the security of physical access
- VisionPass is the only biometric terminal for this market to reach this level

10 November 2021 – IDEMIA announces that its facial recognition device for access control VisionPass has passed with 100% success the Level 1 and Level 2 Presentation Attack Detection (PAD / spoofing attack) assessments from the iBeta laboratory. VisionPass is the only terminal in the world for this market to achieve this performance—constituting an essential guarantee of quality.

## IDEMIA biometric devices successfully test at independent laboratories

Without independent external sources to validate manufacturer claims, customers who wish to deploy biometric terminals have to believe the manufacturer's own statements on quality and performance as it is difficult to perform extensive testing on their own, other than empirical. However, as such terminals are meant to improve security by preventing intrusions, it is crucial to validate performance elements externally.

For facial recognition in particular, it is essential to choose a terminal that remains perfectly efficient with users wearing a mask, and that resists fraud attempts by presenting photos printed on paper, displayed on a smartphone screen, or even by use of 3D masks that reproduce the face of an authorized user. Such capabilities result from the combination of hardware components and biometric algorithms used in the device.

## IDEMIA's willingness to submit VisionPass for testing proves our device meets a level of performance recognized by an independent lab.

As a leading digital security group with strong experience in cryptography, embedded security and biometric algorithms used in government applications, payments and telecommunications; and as the world leader in biometrics for access control, IDEMIA is the only manufacturer of biometric devices to submit its algorithms to the NIST and DHS evaluation sessions in the US, and to evaluate its software and products by the iBeta laboratory.

iBeta has provided critical software testing services for the world's most trusted brands since 1999, and has developed unique skills in biometric testing as an NIST NVLAP accredited biometrics testing lab. In particular, iBeta conducts Presentation Attack Detection (PAD) testing* in accordance with the ISO/IEC 30107-3 standard and in alignment with the ISO/IEC 30107-1 framework. IDEMIA's willingness to submit for testing to independent labs proves confidence in their algorithms and terminals.

## A maximum score obtained at iBeta Level 1 and 2 Presentation Attack Detection testing

VisionPass, launched in mid-2020, is an extremely powerful access control device using a combination of an advanced optical unit composed of 3 cameras (2D, 3D, and infrared) and IDEMIA's leading facial recognition algorithms. VisionPass was submitted to the iBeta PAD tests, which took place in September and October 2021. The terminal obtained the maximum score of 100%, thus perfectly resisting hundreds of different fraud attempts by presentation of 2D and 3D photos and molded masks!

These results confirm VisionPass as the most advanced and efficient facial recognition device on the market, as already highlighted by several industry awards. This iBeta evaluation is an important guidance for Security Directors and Purchasing Departments as a key element to expect when selecting a facial recognition terminal that will be used to prevent intrusions and protect the physical security of their employees' and company's assets.

*iBeta PAD testing explanation and procedure https://www.ibeta.com/iso-30107-3-presentation-attack-detection-confirmation-letters/