

# VisionPass

The ultimate facial recognition access control device



**V**isionPass is the newest addition to IDEMIA's range of frictionless biometric access control devices, and the most powerful facial recognition device in the market. Elaborated in collaboration with partners and end-users, this robust and reliable device provides near-motion 1-second verification through multiple angles and in all light conditions, and is resistant to all kinds of spoofing attempts.



## Benefits



### Unique performances

VisionPass combines a state-of-the-art optical set of 2D/3D/infrared cameras with IDEMIA's latest advances in AI and image processing, enabling a high level of security and real user convenience.



### True security

VisionPass incorporates IDEMIA's latest spoof detection mechanisms and is thus resistant to spoofing attempts. It copes with face changes (helmet, headset, change of haircut, glasses, etc.)



### Easy deployment

VisionPass can be deployed at any location: indoor (wall or gate-mounted) or outdoor (IP65 rated). The device reuses many of the technology bricks used in other devices such as MorphoWave™ Compact, thus simplifying its integration among a fleet of devices.

## Why IDEMIA?

With more than **40 years of experience in biometrics** and over 4 billion fingerprints managed worldwide, IDEMIA gets top-tier performance in independent tests worldwide (such as NIST<sup>1</sup> evaluations) and is thus the **undisputed leader in biometric technologies**. Our algorithms and sensor technologies, combined with our end-product design and

manufacturing expertise, make us the **partner of choice** for the most prestigious organizations.

IDEMIA's solutions, encompassing contact and contactless fingerprint, hybrid vein/print and facial recognition readers, have been deployed in more industries and tougher environments than any other vendors' solutions.

<sup>1</sup> National Institute of Standards and Technology

## The Most powerful facial recognition device

Combining years of experience in the development of facial recognition algorithms and devices for the most demanding applications (governments, airports...) with its latest advances in AI, IDEMIA proposes the most powerful facial recognition device for the access control market:



- › Fully handsfree: no need to interact with the device
- › Wide angle detection for persons of all sizes (1.20-2.00m) and side approach
- › Caters to all skin colors



## Performance, security and convenience

**State-of-the-art optical set** combining 2D, 3D and infrared cameras and stereoscopic image processing algorithm to provide:

- › High performance: near-motion 1-second matching with up to 40,000 users
- › Resistance to spoofing attempts: picture, 3D mask...
- › Efficiency in all light conditions: from complete obscurity to strong sunlight



**Developed in collaboration with installers** to provide

- › Easy installation through a VESA<sup>2</sup> standard back cover
- › Reuse of proven hardware and software bricks already used in SIGMA and MorphoWave biometric device ranges, thus simplifying integration efforts
- › Compatibility with IDEMIA's MorphoManager device management platform and plug-and-play with most access control systems



<sup>2</sup>Video Electronics Standards Association



## Technical specifications

- › **CPU:** Nvidia ARM Cortex-A15 Quad-Core 2.1GHz
- › **7" WVGA color capacitive touchscreen**
- › **Loudspeaker & microphone**
- › **Audio & video player**
- › **Touchless face sensor**  
Visible light camera (2D)  
Infrared camera (2D)  
3D camera
- › **Contactless reader options:**  
Prox, iClass, MIFARE/DESFire  
Natively supports PIN code
- › **Mobile access**
- › **Tamper switches**
- › **Internal storage capacity:**  
20,000 user records extendable up to 40,000 with license  
250,000 IDs in authorized user list  
1 Million transaction logs
- › **Network/Communication:**  
Ethernet, RS485, RS422, USB<sup>3</sup>  
Wi-Fi and 4G options
- › **Inputs/outputs:**  
Wiegand In & Out (customizable up to 512 bits), OSDP, Door relay, 3 GPI (including door monitoring), 3 GPO
- › **Power supply:**  
12 to 24 V DC (3A min @12V)
- › **Operating conditions:**  
Temperature: -10°>+45°C (14°>131°F) - Humidity: 10%>80% (non condensing)
- › **Ingress protection:** IP65
- › **HxWxD**  
325x143x110 mm / 12.8x5.6x4.3 in
- › **Weight :** 2,1kg / 4.63lbs
- › **EMC/Safety standards:**  
CE, CB, FCC
- › **RoHS, REACH and WEEE compliant**
- › **UL 294**

<sup>3</sup>Micro-USB port for terminal configuration or for dongle (Wi-Fi or 4G) connection