SMA-VP-MDPI

Idemia VisionPass MDPI Facial Recognition reader Bio/Card/PIN/BioPIN (20K users and 40K with license) with Mifare/DESFire/Prox/HID iCLASS/iCLASS SEOS. Requires MorphoManager

VisionPass

VisionPass 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.

Integration

Following COVID-19, facial recognition has become of increase interest and through the LenelS2 OAAP program, VisionPass is integrated with OnGuard to enable contactless access control.

Unique performances

VisionPass combines a stateof-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 MorphoWaveTM Compact, thus simplifying its integration among a fleet of devices.

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 sunlight
Developed in collaboration with installers to provide :
› Easy installation through a VESA standard back cover
› Reuse of proven hardware and software bricks already used in SIGMA and MorphoWave ranges, simplifying integration
› Compatibility with IDEMIA's MorphoManager device management platform and plug-and-play with most access control systems

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.



Details

- Stylish, functional design
- 7" WVGA color capacitive touchscreen
- Frictionless biometric access solution
- Timed anti-pass back function
- Banned/authorized user lists
- Standalone integration or in line with turnstiles
- Mitigates hygiene concerns
- Robust against external light and dust
- Touchscreen time clock, featuring 16 programmable function keys + 4 dedicated function keys
- Fully handsfree: no need to interact with the device
- Extensive customization capabilities: user dedicated messages, corporate video, wallpapers
- Time & Attendance features, including: * Programmable function keys (Entry, Exit, Beginning of task, Ending of task) * Real-time employee notifications * Job Code management
- Ideal for high throughput and high security applications
- Access time slots and holiday scheduling
- Real-time employee notifications
- Ingenious, symmetrical opening mechanism enables easy wall-mounting and in-place maintenance
- High performance: near-motion 1-second matching with up to 40,000 users
- Efficiency in all light conditions: from complete obscurity to strong sunlight
- Wide angle detection for persons of all sizes (1.20-2.00m) and side approach

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Technical specifications

System

Max. reader distance to panel	Ethernet: 100 m, RS485: 1219 m
CSN (Card Serial Number)	Yes
Custom data model	Yes
Language installation manual	English

Technology

Reader type	Biométrico
Reader operating-transmitting frequency	125 KHz, 13,56 MHz
Supported technology 13.56 MHz	HID iClass, iCLASS (CSN), iCLASS SEOS, MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (datos personalizados), Mifare DESFire EV2 (CSN)
Supported technology 125 kHz	HID Prox
Touchless face sensor	Visible light camera (2D)
Touchless face sensor	Infrared camera (2D)
Touchless face sensor	3D camera

Biometric

Biometric type	Reconocimiento facial
Biometric sensor type	Óptica
Biometric template storage size	20.000 Upgrade to 40,000 with SMA-VP-DB-40K

Interface & connections

Interface	Ethernet, OSDP V2, OSDP V2 Secure Channel, RS-485, USB, Wiegand
Connector type	Netværk, Terminal strip, USB

Tamper type

Opening tamper	Yes

Operation

Stand-alone	Yes
Stand-alone no. of users	20,000
PIN keypad	Yes
MorphoManager	Supported from MorphoManager v14.4.3

Support

Language installation manual	English

Electrical

Power supply type	VCC
Power supply value	12 to 24 VDC No Power over Ethernet
Current consumption	3 A min. @ 12 VDC

Physical

Physical dimensions	325 x 143 x 110 mm
Net weight	2100 g
Shipping weight	2900 g
Colour	Sølv
Material	Polycarbonat
Form factor	Overdimensioneret
Mounting type	Bord montering, Montaje en Superficie, Soporte de montaje VESA, Vægmontering
Mounting type	VESA mount bracket (Video Electronics Standards Association)
Communication	Ethernet, RS485, RS422, USB, Wi-Fi and 4G options
Inputs/outputs	Wiegand In & Out (customizable up to 512 bits), Door Relay, 3 GPI (including Door monitoring), 3 GPO
CPU	Nvidia ARM Cortex-A15 Quad-Core 2.1GHz
Touchscreen	7” WVGA color capacitive touchscreen
Loudspeaker & microphone	Intercom function with SIP, Audio & video player

Environmental

Vandal proof	No
Environment	Indendør, Udendørs
Storage temperature	-10 to +45°C
Relative humidity	10 to 80% noncondensing
IP rating	IP65 Recommendation for outdoor installation: avoid direct exposure of sensor to rain (e.g., place under a canopy)

Regulatory

Compliancy	CE, FCC, FCC Part 15 Class A, REACH, RoHS, WEEE

How to order

SMA-VP-MD	Idemia VisionPass MD Facial Recognition reader Bio/Card/PIN/BioPIN (20K users and 40K with license) with MIFARE/ DESFire. Requires MorphoManager software and OAAP integration. Requires 12 VDC @ 3 A power supply (no PoE), 2 years warranty
SMA-VP-DB-40K	Idemia VisionPass database upgrade to 40K for MD/MDPI Facial Recognition reader - To upgrade database size to 40K users (vs 20K without license) - S/N or License ID of the target terminal is needed together with the order for License generation

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