Morpho 3D Face Reader™

BY IDEMIA
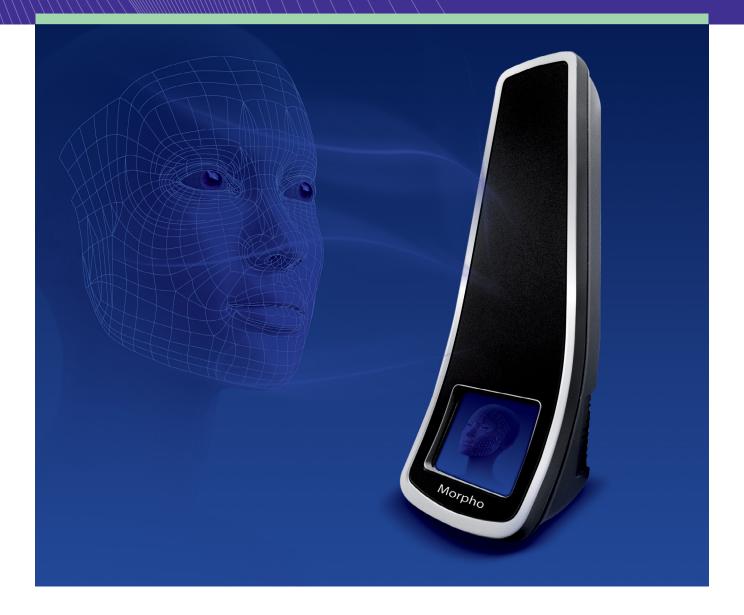
Fast, convenient, secure facial recognition

| Real-time 3D imaging technology | Hands-free access control | Identifies in under a second | Accurate even in poor lighting conditions | Tolerant to facial angles and motion |

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Morpho 3D Face Reader™ by IDEMIA provides lightning-speed, hands-free access to offices and restricted areas.

By analyzing the three-dimensional structure of the user's face, it achieves extremely accurate matching while ensuring high throughput.

With Morpho 3D Face Reader™ by IDEMIA, access control is highly secure and as simple as a quick glance!

Projector
Invisible near-infrared light pattern is projected onto the user's face

Camera
Captures the distorted light pattern, that is interpreted for 3D facial biometric matching

4" QVGA Color Touchscreen
Provides user positioning guidance
Enables on-device administration (enrollment etc.)
Customizable messages (including language)

Speaker
Full audio support
Customizable voice prompts

Inputs/Outputs
Wiegand (customizable format up to 512 bits), Door Relay, 3 GPI, 3 GPO

Network/Communication
LAN, WAN, RS485
PC Connection: USB, RS232

SPEED
The real-time 3D imaging technology enables sub-second matching.

PRECISION
The embedded matching engine analyzes the structure of the face (using over 40,000 data points), thus improving accuracy compared with 2D technologies.

SECURITY
Enhanced accuracy enables low False Acceptance Rate while maintaining high throughput and productivity. Conventional 2D facial images can't be used to duplicate a face and spoof the system.

USABILITY
Accommodates a range of facial positions (angles, motion) and poor lighting conditions (night & day vision). Companies can enhance the look of their corporate reception areas and secure access points with the terminal's sleek, stylish design.

CONVENIENCE
The use of invisible light makes the technology non-intrusive. Acquisition is hands-free and contactless, i.e. ideal for environments requiring gloves or where there are hygiene concerns.

Technical specifications

- **Identification mode:** Up to 3,000 users
- **Multifactor Authentication mode:** Using PIN on Touch Panel or user's ID on Badge
  Internal database capacity: 100,000 templates
- **Event Log Capacity:** 1 Million logs
- **Tamper Detection**
- **Power Supply:** 12 to 24V DC
  Power Draw: 0,5A @24V DC
  Power over Ethernet (PoE)

- **Dimensions (H*W*D):** 355*132*116 mm (13.95*5.19*4.57 inches)
- **Operating Temperature:** 5°C to 45°C (41°F to 113°F)
- **Administration options:**
  - On-device using Touch Panel
  - SecureAdmin and SecureTranslate PC applications
  - SecureSDK for custom built applications

Photos: Gérard Vouillon, Thinkstock - 10/18

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