IDENTIFICATION

MORPHO 3D FACE READER™

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

Morpho

SAFRAN
Morpho

MORPHO 3D FACE READER ™

FAST, CONVENIENT, SECURE FACIAL RECOGNITION

The Morpho 3D Face Reader™ 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™, 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 TOUCH SCREEN
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

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