

IDENTIFICATION

# MORPHO 3D FACE READER™

FAST, CONVENIENT, SECURE FACIAL RECOGNITION



Real-time 3D imaging technology

Hands-free access control

Identifies in under a second

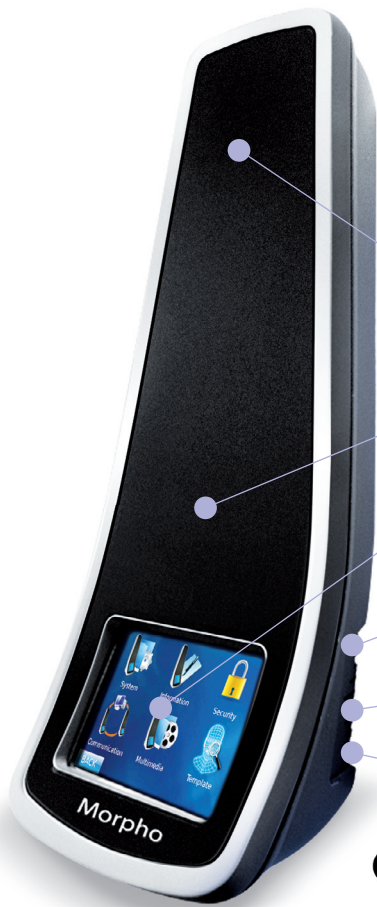
Accurate even in poor lighting conditions

Tolerant to facial angles and motion



# MORPHO 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

## Morpho

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