

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





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