



## 3D Face Recognition



Biometric technology eliminates the need for tokens such as keys and passwords



### Physical access control today

Highly available systems are required to protect sensitive areas from unauthorized access. At the same time, there is a need to grant authorized personal entry to these areas. Access needs to be smooth for authorized personnel and as unobtrusive as possible while maintaining a high level of security.

### However, you are not alone...

Controlware Vision Access is here to help ensure maximum security is maintained at all times. Vision Access is an access and registration system for 3D facial verification. Based on the latest technology Vision Access is a complete suite of components that ensure secure entry to critical areas and in contrast to 2D recognition systems it not only works faster but requires less space.

Vision Access provides you with an increased recognition rate and even works under difficult environmental conditions such as changing ambient light or the user's angle towards the system.

### ... a compact solution!

Vision Access comprises a 3D registering station, a PC-based system for data management and archiving as well as a realtime 3D scanner with embedded computer to capture

### Features

#### Secure

Vision Access comes with an extremely high recognition rate (FAR < 0.0001).

#### Interoperable

Combine Vision Access with existing access control and thereby increase their efficiency.

#### Fast

Vision Access computes access verification in less than one second.

#### Future-proof investment

Vision Access is continuously developed to set the highest standards in 3D face recognition.

#### Ergonomic

Smooth access for authorized personnel to restricted areas.

and evaluate access requests. With its physical dimension of merely 13x36x11cm (W/H/D) and the ability to verify up to 10 persons a second, it sets new standards for access control.

Thanks to its modular system architecture based on PC standards, and integration with existing infrastructures e.g. RFID, magnetic strips or other biometric methods the highest level of security is assured.



## But why all this in 3D?

3D face recognition is one of the safest, yet one of the most complicated methods of identifying individuals. Compared to other identification methods 3D facial recognition delivers a high verification rate, and it's the only Access Control method that requires little user interaction at all. In contrast to 2D based recognition systems, environment parameters don't play an important role. Ambient light, angle or size of objects have a minimal affect on the recognition process.

Controlware Vision Access is therefore not only suitable for access-control but for isolating and identifying individuals in groups.

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## Technical Specifications

<b>Physical</b>	
Dimensions	355 mm x 132 mm x 116 mm
<b>Processor</b>	Embedded system Multi processor TI DaVinci™-Plattform
<b>Terminal Strip</b>	Wiegand, TTL, RS-485, RS-232, Earthing
<b>Recognition</b>	Fast recognition time less then 1 second
<b>Storage Capacity</b>	up to 8000 profiles per system
<b>Design</b>	Standalone unit
<b>Power Supply</b>	12-24 VDC/25W
<b>Idle ampacity</b>	1,50 A; max. 3,00 A
<b>Mounting brackets</b>	for wall installations (standard)
<b>Operating temperature</b>	5 ° - 35 °C (41 ° - 95 ° F)
<b>Certifications</b>	FCC Class A, CE, RoHS



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