

AcSys Face Reality® is a technologically advanced face recognition system(FRS) that provides ultimate security for the reality of today. Biometric security provides accountability for your organization, because it makes identity theft virtually impossible. Used with sound security and human intelligence policies, AcSys Face Reality® will give your organization the power to protect its people, facilities, and assets.

Better security doesn't have to inconvenience users. AcSys Face Reality® provides fast, accurate face recognition in access control and data security scenarios. Users don't have to remember PINs and passwords, and they don't have to interact with specialized hardware.

Face Reality®, secure solutions for the real world.



Partners



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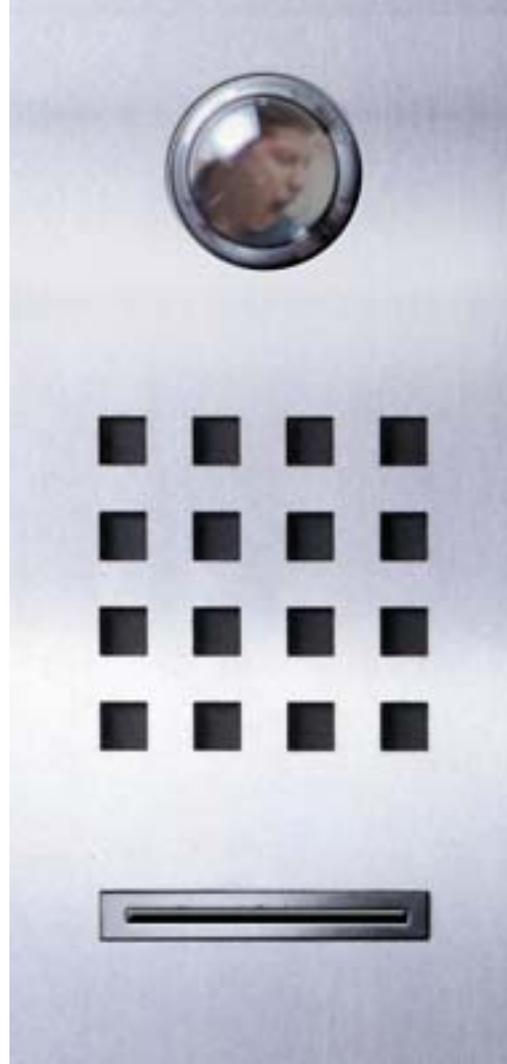
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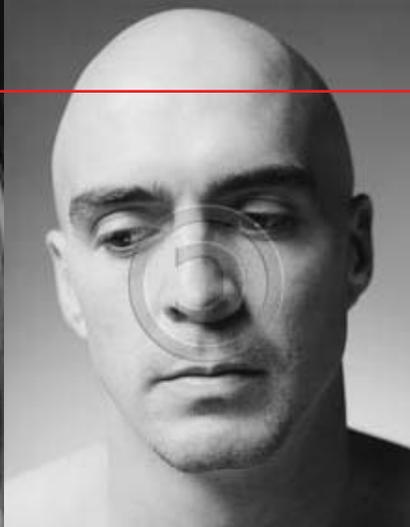
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Face Reality® – *the superior face recognition system*



AcSys
BIOMETRICS CORP.





A system that learns, remembers and recognizes.

AcSys Face Reality® applies advanced artificial neural network technology to face recognition. It literally learns to differentiate your face from others as a human does, and it remembers your face when it sees you again. Not only does it learn and remember your face as it looked the day you first enrolled, but it continues to learn your face each time it sees you, improving its ability to recognize with each exposure and adjusting for differences due to aging and cosmetics – without increasing the size of your biometric template.

Key Features

Tracks multiple faces in motion simultaneously.

Able to track faces in a wide variety of lighting conditions including infrared.

Template Size does not increase with additional images.

Secure new images and incorporate them into the existing template without administrative intervention.

0% False Acceptance rate.

Emulating the human brain in structure and function

AcSys Face Reality® is enabled by Holographic/Quantum Neural Technology (HNeT), which is modeled on the functional and neurophysiological characteristics of the human brain. HNeT emulates human cognition: it learns and recalls in the same manner as you or I do and absorbs the world around it like a child does.

From biometrics to biomimetics

Using HNeT neural network technology, AcSys Face Reality® applies artificial intelligence to the problems of lighting conditions and facial orientation for an increased ability to authenticate identity in adverse conditions. The application of HNeT to the problem of face recognition represents a revolution that the word “biometric” can no longer contain. We refer to AcSys Face Reality® as a *biomimetic* technology, because it actually emulates the way the human brain learns and recalls faces.

0%

Proven FAR: In the International Biometric Group's *Round Three Comparative Testing for IT Security and E-Commerce, Final Report*, at medium-security settings, AcSys Face Reality(AcSys FRS) scored 0% on False Acceptance Rate (FAR) meaning that it caught all impostors.¹



Competitive Advantage

Face Reality® has numerous features that set it apart from other face recognition solutions:



Tracking is the system's ability to find a face. Before a system can recognize a face, it must first determine what constitutes a face within a video image. AcSys Face Reality® can track multiple faces simultaneously, in real time, through background and foreground clutter, and from a variety of angles.

Classification is the system's ability to recognize a face through comparison to biometric templates. AcSys Face Reality® can recognize a face from a variety of angles, in a variety of lighting conditions, regardless of facial expression.

Generalization is the system's ability to work from the specific biometric sample, compensating for minor cosmetic, lighting, and presentation angle differences, to find a matching biometric template. HNeT gives AcSys Face Reality® a decisive advantage in this category.



Applications

Applications for our HNeT-powered Face Reality® are unlimited. It is superior in all areas, faster, more accurate and more reliable than all other face recognition systems available today!

AcSys Face Reality® can be implemented in a number of scenarios, including:

- Airport check-in and boarding procedures
- Controlled access to secure areas
- Controlled access to computers and data
- Face-in-a-crowd surveillance scanning

Wherever people, identities, assets, and facilities need to be protected Face Reality® can make the difference.



1. Performance metrics are derived from Round Three of International Biometric Group's Comparative Biometric Testing performed in 2001. Visit www.biometricgroup.com/study for details on testing methodology and information on obtaining complete results.