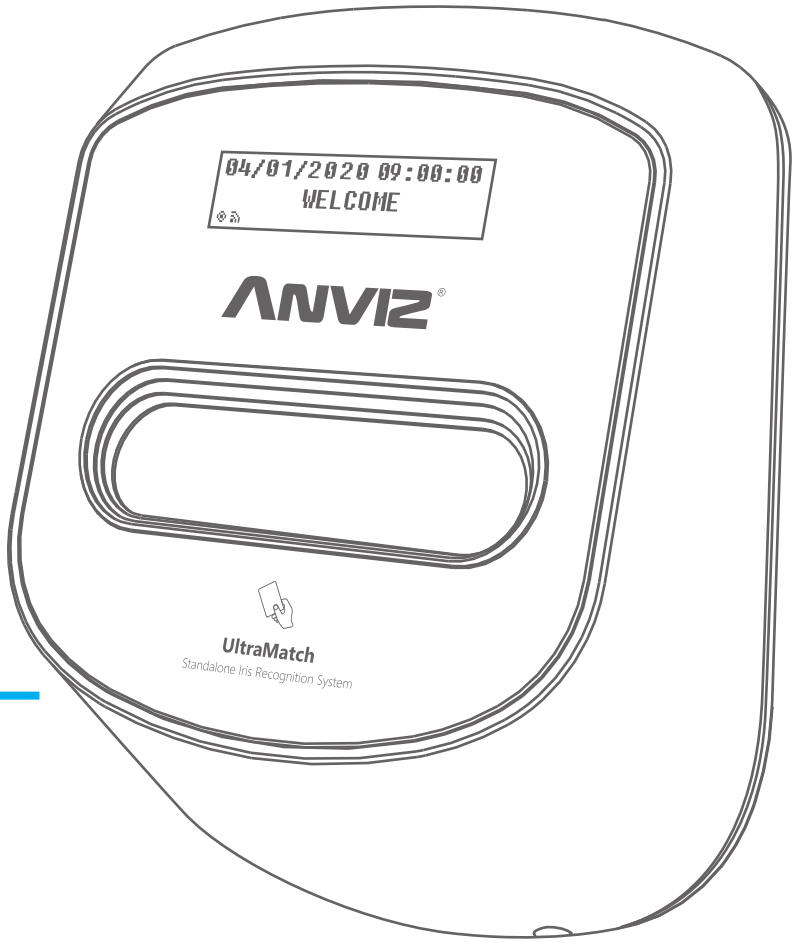
ANVIZ®
POWERING SMARTER WORLD

UltraMatch

Standalone Iris Recognition System



Utilizes the most accurate biometric recognition technology

Smart LED

Color LED shows the proper verification distance

Mobile management enabled by wireless connection

UltraMatch-Standalone Iris Recognition System

UltraMatch series products has a stylish design and reliable performance. Adopting BioNANO algorithm, the system provides the most accurate, stable, and quickest iris recognition while delivering high-level security in biometric enrollment, individual identification, and access control.

Iris recognition system can identify and authenticate users with certainty. Iris is designed to last, and is not affected by outside environmental conditions.

A web based software and a PC version management software allow clients to manage the system easily. Iris SDK is available to developers and integrators for developing identity management applications or easy integration and expansions to existing security system.

Depending on its high accuracy, the terminal is ideal for high-level security applications, such as border protection, Pharmaceutical & labs, or jails.

Unparalleled User Experience

Fast Comparison

With BioNANO algorithm, the system identifies people in less than 0.5 second, and processes up to 20 people per minute.

Wide Adoption

- The UltraMatch works in all lighting environments, from bright illumination to total darkness.
- The system supports all eye colors.


Brown


Blue


Green

- The UltraMatch can identify subjects even when they are wearing eyeglasses, most sunglasses, most types of contact lenses, and even face masks.
- Iris recognition is more suitable than other biometric identification in certain environments. If one has a worn or injured fingerprints or wear gloves, the UltraMatch is better than fingerprint devices.


Sunglass


Glass

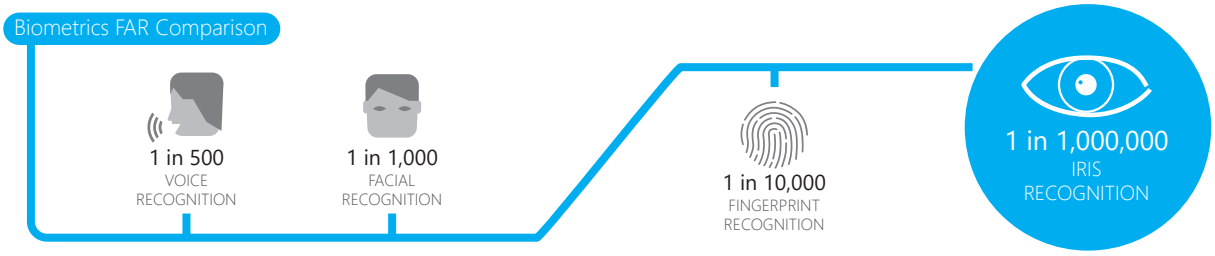

Veil


Mask

High Level Security

Accurate And Unforgettable

Iris recognition can accurately identify individuals using common biometric technologies. Even twins have completely independent iris textures. Iris patterns are too complex to duplicate.



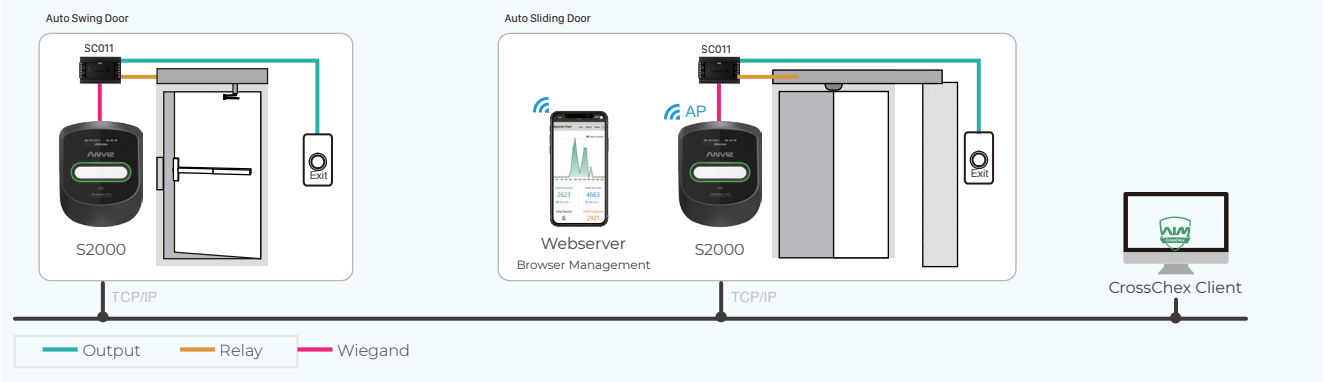
High Stability

12 months after a baby is born, the iris pattern becomes stable and keeps constant through a life. Because of it's stable and uniqueness, iris patterns are not easy to fake or spoof.

Non-contact And Non-invasive

A non-contact and non-invasive capture of one's iris creates the most comfortable and friendly user experience.

Configurations

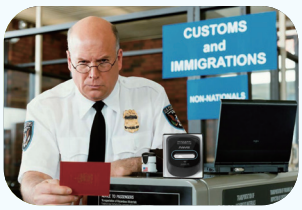


Applications

Depending on its high accuracy, the terminal is ideal for high-level security applications, such as border protection, Pharmaceutical & Labs or jails.

Pharmaceutical & Labs

The security of the iris access control is very suitable for the laboratory to avoid the leakage of experimental information, and the non-touch method also effectively avoids the risk of experimental contamination.



Border Protection

As the most secure biometric method, iris recognition can effectively help customs officers to effectively recognize suspicious passengers, especially to effectively eliminate the person who use fake fingerprint and face.

Jails

Integrate with existing security system, the accurate and reliable personnel management solutions can provide multiple functions such as access control, prisoner identity verification, visitor identity verification, patrol management and emergency processing.

Hospital & Healthcare

Iris identification is largely used in the healthcare industry. The patients take iris as an ID to get superior security of patient record, e-prescribing, and preventing medical errors. It provide touch-less access when healthcare workers wearing PPE, such as mask, gloves.

Armory

Biometric Iris-Based recognition access helps to protect and track armory assets. It guarantee you the accuracy and reliability for securing weapons and critical evidence.

Vault & Safe Box

Efficiently avoid Identity theft cases, the system can support Iris identifications to improve the security level.

Software

Anviz provides you 2 user-friendly approaches to manage your system.

Mobile Client

- Registration
- Off-line Management
- Device Management & Configuration

UltraMatch allows user to access the system via the wireless devices. The user can make registration, user management, and configuration at any time any where.

Desktop Client

- User Management
- Data Management
- Device Management
- Log Management
- Parameter Configuration

The standard software provides comprehensive management for user to administer the system. Elegant Windows 8 visual style GUI makes it easy to be studied and operated.

SDK

Anviz can provide "Iris SDK" to biometric system developers and integrators. The SDK allows for easier integration into existing security systems. The SDK offers Iris templates, matching result in 1:1 or 1:N mode, programming samples and tutorials, and developer's documentation. Development for VB, VC, VB.NET, C#, Delphi, and PB programming languages and Microsoft Windows platform.

BioNANO - The Core Algorithm

BioNano is applied in all Anviz biometric-based products used for identification.

- Independent research and development
- 'Live-tissue Verification' technique: By comparing the continuous iris images, it analyzes the changes of pupil to get the result.
- Multiple authentication modes (left, right, either, or both eyes) for different security levels or particular requirement.
- Glass reflex spot detection: Eliminate the spot reflexed by glass and get clear and clean iris image.

Technical Specifications

Model	UltraMatch S2000
Firmware Platform	ARM
OS	Linux
Iris Capture	Dual Iris Capture
Iris Capture Range	7.09 - 9.45 in.(180 - 240 mm)
Capture Time	<0.5s
User Capacity	2,000
Log Capacity	100,000
FAR	≤1/1,000,000
Recognition Mode	Iris, Card, Card+Iris
Card Read Module	EM ID Card Reader(125KHz)
LCD Area	Active Area 2.23 in.(128 x 32 mm)
Image Format	Progressive Scan
Web Server	Support
Wireless working mode	Access Point(Only for mobile device management)
Temper Alarm	Support
Eye Safety	ISO/IEC 19794-6(2005&2011) / IEC62471: 22006-07
Input / Output	Wiegand 26/34, Anviz-Wiegand Output
Communication	TCP/IP
Operating Temperature	-20°C to 50°C
Humidity	0% to 90%
Power Supply	12V/2A
Operating Environment	Indoor(Avoid direct light)
Dimensions (W x H x D)	7.09 x 5.55 x 2.76 in.(180 x 141 x 70 mm)

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About Anviz

As a leading provider of converged intelligent security solutions, Anviz is committed to providing customers comprehensive access control, time attendance management, video surveillance, and integrated security alarm system solutions to our commercial clients.

With nearly 20 years' experiences in security industry, Anviz products and services served over 100 countries and fulfilled more than 200,000 global projects.

In 2018, a new production park has formally been opened in Yancheng, which stands for over 50,000 square meters and can provide 2Million units security units per year.

We will keep focusing on new technologies of AI+IOT+Cloud, and provide more convenient and smarter solutions to our global customers. We will work closely with our customers in both technical and marketing activities and create a win-win future.

For more information, visit www.anviz.com, or email us sales@anviz.com.