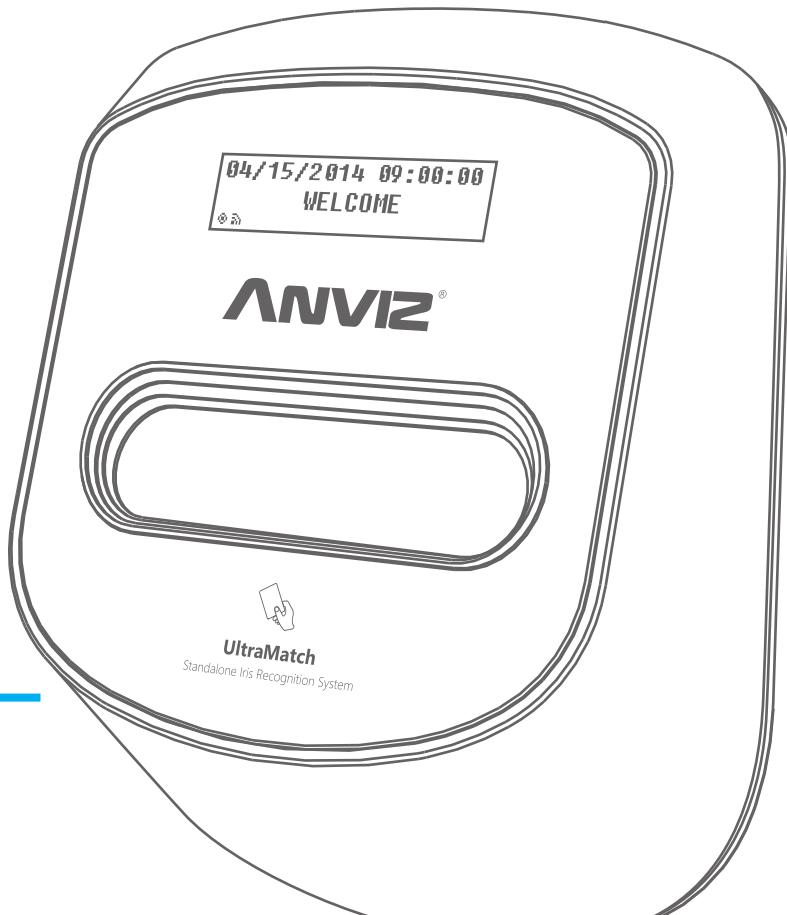


UltraMatch

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 own a stylish design and robust 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.

Containing a complex and random pattern, iris is unique and stable during one's life and the least affected by outside. Iris recognition turns to be the most accurate and fastest option to authenticate someone with certainty.

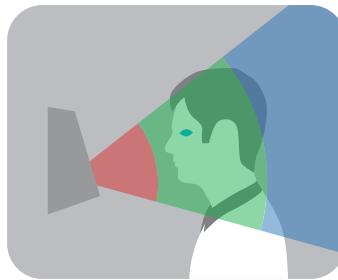
A web based software and a PC version management software allow clients to manage the system easily. Meanwhile, Iris SDK is available to developers and integrators for developing identity management applications or easy integration and expansions to existing security system.

UltraMatch fully meets the need of governments, financial institutions, medical institutions, and educational facilities.

Unparalleled User Experience

Visual indication

Three color LED indicators prompt the user to place their eyes in proper distance that makes image acquiring easy acceptable and comfortable.



Blue: Too far;
Green: In capture range;
Red: Too close;

Fast comparison

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

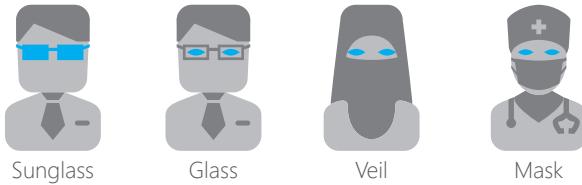
Wide applicability

- 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 unforgeable

Iris recognition is the most accurate way to identify individuals of all the commonly used biometric technologies. Even twins have completely independent iris textures.

Iris patterns are too intricate to duplicate.

Biometrics FAR Comparison



1 in 500
VOICE
RECOGNITION



1 in 1,000
FACIAL
RECOGNITION



1 in 10,000
FINGERPRINT
RECOGNITION



1 in 1,000,000
IRIS
RECOGNITION

High stability

After 12 months of birth, an infant's iris pattern becomes stable and keeps constant during one's life. Protected by eyelids, iris patterns are not easily damaged or scratched.

Non-contact and non-invasive

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

Applications

Due to its high recognition accuracy, the system is ideal for high-security installations, such as border customs, treasuries, or prisons. The stability of the iris as an internal, protected, yet externally visible organ of the eye makes the Iris recognition ideal for individual identification in social security system, health care system, homeland security, immigration system, etc.



Law enforcement agency

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



Medical institutions

Iris identification is largely used in the healthcare industry, such as patient identification and staff access control. The patients take iris as an ID to get superior security for patient record, e-prescribing, and preventing medical errors. And it is extremely pertinent as many healthcare professionals wear gloves or must not touch non-sterile objects.



Customs

Improve safety of customer and convenience you pass customs clearance rapidly by using iris identification. Just look at device one second, you can go anywhere you want to go.



Airport

Use Iris as identification for key employee authentication or self-checkin and self-boarding. The system is ideal for access control in restricted space such as parking apron, baggage reclaim, etc.



Financial institutions

Efficiently avoid Identity theft cases, the system can support Iris Payment, Iris authentication on ATM that improve the security level of client account.

Software

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



Mobile Client

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



Desktop Client

- User Management
- Data Management
- Device Management
- Log Management
- Parameter 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.

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 Type	S1000	S2000	S6000
Firmware Platform		ARM Cortex	Intel Atom
OS		WinCE / Linux	Linux
Iris Capture	Single Iris Capture		Dual Iris Capture
Iris Capture Range		7.09 - 9.45 in.(180 - 240 mm)	
Capture Time	<2s		<1s
Number of user	150	1000	5000/10000(Optional)
Log Capacity	50,000	100,000	200,000
FAR	≤1/1,000,000		≤1/1,000,000,000,000
Recognition Mode		Iris, Card, Card+Iris	
Card Read Module		EM ID Card Reader(125KHz) / Optional HID iClass SE Card Reader	
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, Outdoor(Avoid direct light)	
Dimensions (W x H x D)		7.09 x 5.55 x 2.76 in.(180 x 141 x 70 mm)	
Accessory		SC011(Controller)	

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