

# FacePass 7

Smart Face Recognition System



**ULTRA-WIDE  
RANGE FACE RECOGNITION**



## About Anviz

Anviz Global is a leading provider of converged intelligent security solutions, committed to providing customers with comprehensive access control, time attendance management, video surveillance, alarm system, and intelligent building solutions. By continuous innovation, and building on our core technology, Anviz strives to provide customers with a safe, convenient, and comprehensive integration solution.

Anviz specializes in creating unified solutions that stretch across Biometrics including Fingerprint, Face & Iris recognition, Surveillance and RFID technology. By offering value driven security solutions and high-quality products, Anviz serves various clients in various verticals from government, retail, industrial and financial.

Anviz, founded in 2001, is a global company that is headquartered in Shanghai, China. Anviz can serve over 100 countries all over the world. It has a 50,000-square-meter factory in Yancheng, Jiangsu and its own branch office in the United States and South Africa. We continue to cooperate with third-party partners, and have established strategic partnership agreements with leading companies such as ADI Global, Aimetis, Allegion, Axxon, HID Global, IntelliVision, Milestone and other solution providers. Through these partnerships, we are providing customers with a one-stop solution for intelligent security.

Anviz strives to create value for employees, customers, shareholders and society. We will actively fulfill our social responsibilities, and contribute our effort to energy saving and environmental protection and sustainable development.

## Support

Anviz Technical Support provides efficient assistance for your products. With online support services [www.anviz.com/support](http://www.anviz.com/support) and My Anviz App you can rest assured that you'll receive assistance wherever you are, whenever you need it.

My Anviz  
"My Anviz" is an application in APP store include in all Anviz technology support and products information:

- 7x24-hour online self service
- Submit any needs and questions anywhere and anytime



\* Scan QR code to download the app.



FacePass 7 Smart Face Recognition product launched by Anviz, based on new infrared technology design, using the world's leading BioNANO core algorithm, with a powerful processor and hardware computing platform, face detection, identification and event real-time push can be easily implemented. It can realize accurate facial recognition under various environment.

### Highlights

<p><b>New Infrared Face Technology</b> Non-red exposure source, ultra-wide range of face recognition</p>	<p><b>Live Detection</b> Active Infrared Light Source Designed To Effectively Filter Photo And Picture Deception</p>
<p><b>Built-in Webservice</b> Basic equipment settings, personnel and records query, reports Export etc.</p>	<p><b>Multiple Communication Methods</b> Support TCP/IP, RS485, U disk communication, WiFi</p>
<p><b>High Capacity</b> 3,000 users, 100,000 records</p>	<p><b>3.2" HD TFT Touch Screen</b> Full-view HD touch screen, intuitive and convenient operation</p>

### Features

**Identification Modes**

Face, card, password multiple ways to choose, convenient, flexible and safe to use

**Attendance Status**

User-defined function keys to switch attendance state, meeting multiple identification needs

**Card**

Standard EM, Optional Mifare

**Open the Door Remotely**

Remote opening through network and software management

**Security**

Security incident monitoring and alarm

**Access Control Interface**

Support Relay Output, Wiegand26/34 Input and output, magnetic, etc.

**Infrared Sensing**

Infrared sensor activation

**U Disk Download**

Support U disk, user information record backup And firmware upgrade

**Multi-language**

Support Global Multilingual Display

### FacePass Algorithm

ANVIZ Facepass BioNANO integrates several advantages of the industry-leading approaches to develop its unique technique and ensure a robust human face recognition system.

**BioNANO**  
Core Algorithm V11  
Fingerprint - Facial - Iris

1. Match specific features to template
2. Use Principal Component Analysis
3. Intelligent self-learning function, dynamically change the face database
4. Skin Texture Analysis turns visual details of the skin such as the unique lines, patterns, and apparent spots in a person's skin into a mathematical space.

### Technical Specifications

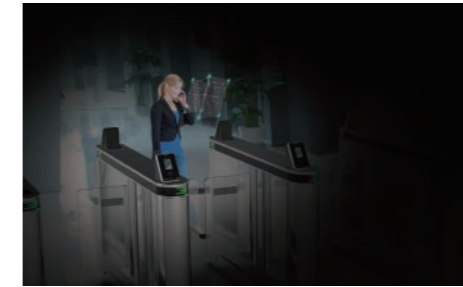
Capacity	User Capacity	3,000
	Card Capacity	3,000
	Log Capacity	100,000
	Interface	
Comm.	TCP/IP, RS485, USB Host, WiFi	
	I/O	Relay Output, Wiegand Output, Door Sensor, Switch, Doorbell
Feature	Identification Mode	Face, Card, ID+Password
	Verify Speed	<1s
	Image Display	Support
	Self-defined Status	10
	Record self-check	Support
	Embedded WebServer	Support
	Doorbell	Support
	Multi-language support	Support
Software	Crosschex Standard	
Hardware	CPU	Dual-core 1.0GHz
	Camera	Dual Camera
	LCD	3.2" HD TFT Touch Screen
	LED Indicator	Support
	Sound	Support
	Angle Range	Level: ±20°, Vertical: ±20°
	Verify Distance	30-80CM
	RFID Card	Standard EM, Optional Mifare
	Tamper Alarm	Support
	Operating Temperature	-20 °C~ 60 °C
	Operating Voltage	DC 12V
Dimensions(W x H x D)	124*155*92mm	
Operating Humidity	0% to 95%	



### CrossChex

Time Attendance and Access Control Management System

CrossChex is personnel identity verification, access control and time attendance management system. Management personnel information by biometric technology and meet customer time attendance and access control requirements. Achieve biometrics commercial application. Help Information security and Help enterprises to improve management efficiency and information security.



### Why CrossChex?

#### Diversity

CrossChex series software suites different types of customers by providing different versions of the software. The CrossChex series software supports all Anviz Biometric devices (fingerprint, face and iris) providing time attendance and access control all in one.

#### Convenience

The CrossChex series software supports TCP / IP network communication. The flexible deployment of a CrossChex Cloud system and Crosschex professional, based on B/S architecture, is a simple and easy to use Web version.

#### Customizable

To better meet the global market demand, Anviz provides CrossChex software customization services, including report output, customized function modules and professional design service for you.

### Functions

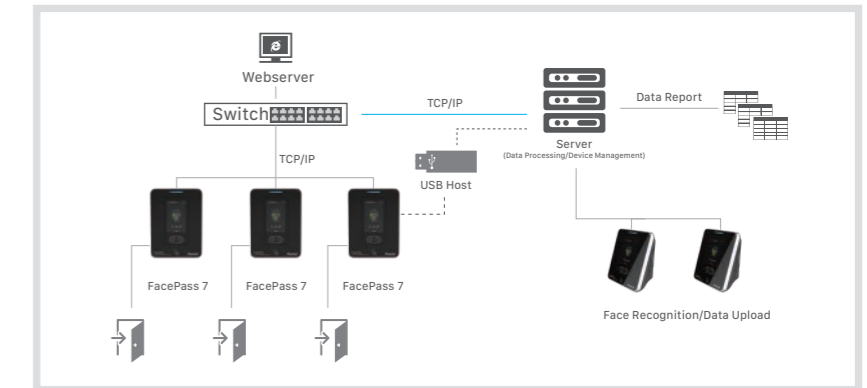
- ▶ Support hourly and daily working shift calculation, meet multiple employee attendance requirements.
- ▶ Multi-level admin authorisation setting management
- ▶ Support defined reports design
- ▶ Auto online update keeps the software always in latest version.
- ▶ Online upgrade, technical support and trouble ticket submit.
- ▶ Multi time attendance report output

### Application

Flexible applications such as standalone, secure and network system for different industries.



### Network Topology Illustration



### Installation Suggestion

**Note**  
FacePass 7 is suitable for different users' heights and complexions. Please note that keep the face image in the center of the screen display when verification.

