eyecool

ECI351

Binocular Iris Recognition Device

Version 1.1

Specifications

Product Type: Iris Recognition

Specifications

Product Overview

Eyecool Technology binocular iris recognition device (ECI351) is a biometric product that captures, enrolls and compares the iris feature information inside the human eye. The binocular iris recognition device is a vertical product suitable for desktop display. The camera adopts a mirror design, with an infrared fill light built in. The device is small and compact. The unique triple iris capture distance positioning technology makes the iris capture process easy and convenient, and is suitable for all kinds of people.

Product Features

Iris capture: It can realize the capture, enrollment and storage of user's iris information, and establish a feature library based on it.

Iris recognition: The iris information collected on site can be identified with the user's existing iris information and compared with the feature library.

Iris verification: It can compare the iris information of on-site users with the feature library to achieve user identity verification.

Product Advantages

1) It is designed with table pendulum vertical structure, which is convenient and easy to use;

2) Adopt high-resolution image sensor;

3) Built-in infrared fill light ensures the accuracy and effectiveness of iris image capture and recognition under dark conditions;

4) Support the extraction, comparison and recognition of iris image features;

5) Original triple precise positioning and capturing images, and proprietary iris image detection algorithm;

6) Supporting product SDK: with device management demonstration tools and development kits, supporting customized development;

7) Certified: The product has passed the quality check of the Ministry of Public Security and obtained CNAS certification.

Application Scenario

As the most accurate biometric technology, iris recognition has incomparable uniqueness, accuracy, stability and anti-counterfeiting, which can meet the application requirements of higher security level for identity verification. It can be widely used in finance, public security, education, judicial organs, social security and other fields, such as banks, prisons, airports, examinations, etc.

Figure 1: bank counter

Figure 2: Candidate identity collection and identification

Figure 3: Government business identity verification

Figure 4: Information collection of
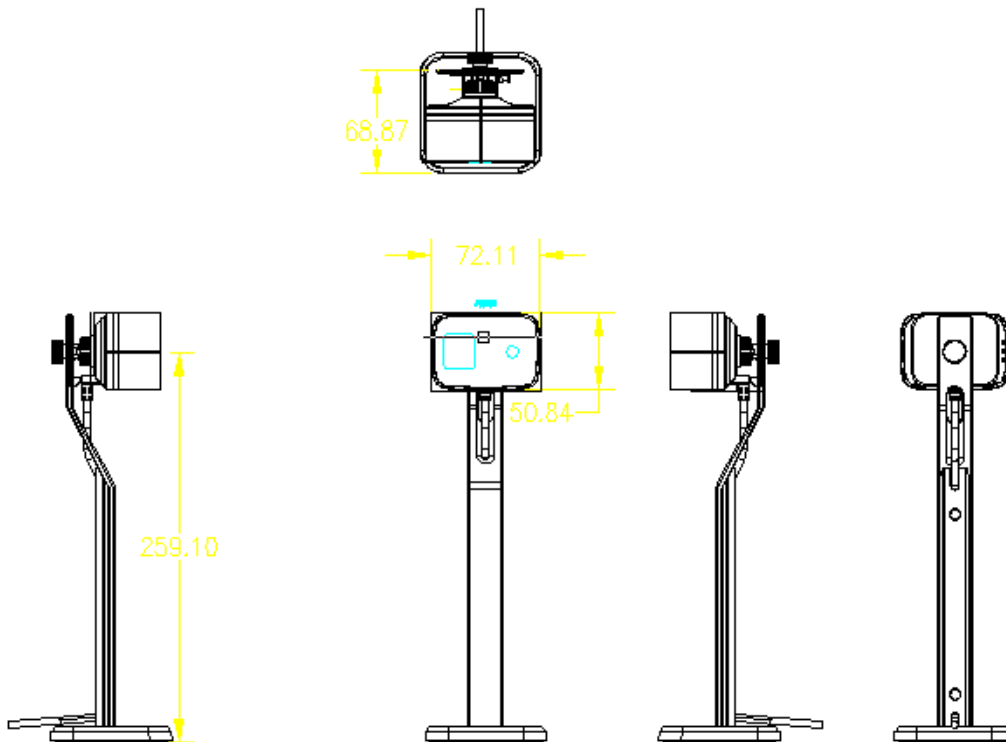social security personnel

Figure 5: Image management of judicial personnel

Product Appearance

Product Dimensions

Product Specifications

Basic Parameters	Camera type	Single mode near infrared lens
	Pixel	2million pixels
	Resolution	1920*1080
	Maximum Frame Rate	1920*1080@30fps
	Output Format	MJPG/YUV
	Port	USB2. 0
Performance Parameter	Drive type	Drive free
	Identification distance	40~70cm

	System support	Windows 7, Windows 8, Windows10, Linux system
	Exposure Control	Automatic
	White Balance	Automatic
Use Environment	Operating Temperature	0~50℃
	Storage Temperature	-30~60℃
	Working Humidity	5%~95%RH
	Power Supply	USB power supply
	Power Waste	2.2W
Other Parameters	Product weight: 950g (including packaging), net weight 700g USB cable length: 3M	