

TCF261

Dual-mode Face Recognition Module

Dual-mode living body detection · Easy to integrate

EyeCool dual-mode face recognition module (TCF261) is a high-definition camera that enables accurate face recognition, image capture, and living body detection under different lighting conditions. Equipped with the face recognition algorithm developed by EyeCool, it combines the near-infrared and visible light video and image acquisition functions. The module is small in size and easy to be embedded in self-service devices. It is widely used in many fields such as on-site image collection, living body detection, face recognition and identity security authentication.



Face recognition

Supports face detection and comparison function, faster identity verification



Strong light processing ability

Not affected by strong light, weak light and backlight
High image clarity and color reproduction



Standard interface

Universal communication interface, with dynamic recording function, compressed format for easy storage



Easy to integrate

Small size module can be easily embedded in various financial self-service devices.

Performance metrics

Supported operating systems Windows, Linux and Android	Connection interface 5-pin 1.25mm USB2.0	Power supply 5V±5%	Signal-to-noise ratio Infrared camera: ≥39dB Visible light camera: ≥40dB
Scanning frequency (H) Infrared camera: 30HZ Visible light camera: 25HZ	Scanning frequency (V) Infrared camera: 50HZ Visible light camera: 50HZ	Image photosensitive film Infrared camera: 1/2.7" CMOS Visible light camera: 1/3" CMOS	Effective pixels Infrared camera: 1920×1080 Visible light camera: 2048×1536
Equipment name Infrared camera: Techshino TCF261 Nir Visible light camera: Techshino TCF261 Col	Scanning method Infrared camera: Progressive scan Visible light camera: Progressive scan		
Infrared light spectrum 850nm	Dimensions (mm) 46×30×26	Image adjustment Auto white balance, auto exposure, auto face focus	Stable operating temperature (°C) -30~70 °C

Application scenarios

It can be widely integrated into various self-service devices such as cash devices (ATM, CRS, TCR), STM, ITM, queuing machines, inquiry machines, outside counters, face vending machines, face payment and other self-service devices to realize identity authentication.



Certificates

Second Prize of National Technology Invention Award 	Second Place of Face and Iris Recognition Algorithm Competition 	More than 400 patents 108 national industry standards 80% financial customer coverage 
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