

# TCI301MS

## Binocular Iris Capture Module

Easy to Integrate · Precise and Convenient

TCI 301 MS is a Binocular Iris Capture Module with the function of iris image collection and processing. With compact size and simple structure, it is ergonomic, easy to use and suitable for all kinds of people. Compatible with USB and providing standard secondary development interfaces, it can meet the customized requirements of different users and is applicable for places with high identity security requirements.



### Easy to Integrate

Compact size and easy to integrate.



### Software Development Kits

Provide standard SDK for customized development calling.



### High Resolution Sensor

Make iris image quality better.



### Infrared LED

Infrared LED on board to ensure the validity and accuracy of iris recognition.



### Precise and Convenient

Supports both iris enrollment and recognition with Eyecool original iris algorithm, realizing user's identity verification in more secure way.



### International Certification

The product has obtained ISO/IEC 62471 certification.

# Performance Index

<b>CMOS</b> 1/7 sensor	<b>Pixel Size</b> 1.12um × 1.12um	<b>Aperture</b> F2.2	<b>Distortion</b> TV Distortion < 1.0
<b>CRA</b> < 29.8°	<b>Lens Structure</b> 2P+IR	<b>Depth of Field</b> 28~33CM	<b>Image Format</b> MJPG/YUY
<b>Operating Wave</b> 810nm	<b>FOV</b> H:29.1°, V:9.4°, D:30.4°	<b>Dimensions</b> 40.17 × 10.17 × 6.6MM	<b>Image Transport Rate</b> 1920 × 600/30fps
<b>Lens Temperature Range</b> -20°/+80°		<b>Resolution</b> 1920(H) × 1080(V) (16:9 mode)	
<b>Os Supported</b> Windows 2003/2008/Xp/7/8/8.1/10    Android 4.1 or above with UVC    Linux 2.6.32 or above with UVC			

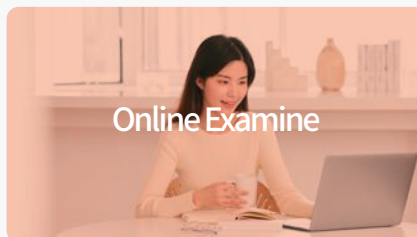
## Application Scenarios

The device can be widely embedded in third-party devices for a variety of identity authentication applications such as login, authorization and payment.



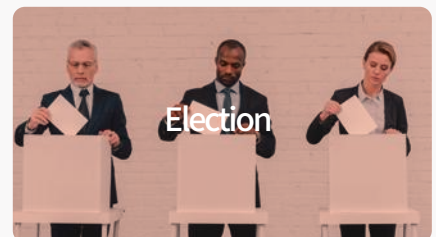
Mobile Criminal Investigation

Embedded in mobile devices to help verify the identity of criminals or suspects.



Online Examine

Embedded in pads or laptops to verify candidates' identity.



Election

Iris biometric information capture, deduplication and verification of legal voters in election scenarios.

## 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

