IR210

Iris Scanner

Iris Enrollment and Verification Scanner

Experience unparalleled iris capturing and matching with the Aratek IR210 dual-iris scanner. This device integrates an advanced iris recognition SDK, ensuring exceptional accuracy in iris image registration and recognition. Its ergonomic VR glasses-like design minimizes external light interference, providing optimal image quality under any conditions. The high-definition camera captures both iris images simultaneously in real-time, speeding up the process of identity verification and identification across diverse applications such as national ID, law enforcement, border control, financial services, and healthcare. The IR210 iris device seamlessly integrates into global identity management frameworks thanks to its MOSIP compliance, enhancing security and operational efficiency in all its deployments.

Features

- **Superior Iris Capturing and Matching**
  Equipped with a professional-grade high-definition camera and advanced iris recognition algorithms, it swiftly captures and accurately matches dual iris images. This enhances both the accuracy and efficiency of the iris enrollment and verification processes.
- **International Standards**
  Compliant with MOSIP and ISO/IEC 19794-6 standards, ensuring interoperability and reliability on a global scale.
- **Minimized Light Interference**
  The barrel design effectively prevents external light interference, ensuring consistent image quality in diverse settings.
- **User-Centric Operation**
  Designed for a seamless and user-friendly experience, minimizing the need for extensive user interaction or technical expertise during the scanning process.
- **Wide OS Support**
  Compatible with Windows, Android, and Linux, offering versatile deployment options across different platforms.
- **Comprehensive SDK**
  Provides a robust SDK for seamless integration of iris recognition into existing systems and applications, ensuring smooth and efficient operation.

Applications

- **National ID**
- **Healthcare**
- **Finance and Banking**
- **Border Control**
- **e-Passports**
- **Law Enforcement**

IR210 Iris Scanner

Basic

Dimension (W*L*H)	179.8*226.7*55 mm
Weight	420g
Installation	Handheld or Fixed on tripod

Performance Parameter

Device Type	Dedicated binocular Iris scanner
Enrollment Time	<2s
Recognition Time	<1s
Accuracy	FRR<0.1%, FAR<0.0001%
Capture Distance	12-15 cm
Pixel Resolution	>500 ppi
Infrared LED Band	800-860nm
Capture Volume	Overall size: 179.8*226.7*55 mm
Capture Mode	Automatic
Recognition Mode	Binocular or Monocular
Connectivity	USB 2.0
Power	USB, 5V
Cable Length	1.5 m
Image per Second	Minimum 5 FPS for Bitmap image
Image Format	ISO/IEC 19794-6
Eye Safety	IEC 62471

Operation Environment

Operating Temperature	-10°C~55°C
Operating Humidity	10~90%R.H

Supported OS

Windows, Android, Linux

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