

IR210

MOSIP-Compliant Binocular Iris Scanner



The Aratek IR210 is a MOSIP-compliant binocular iris scanner for identity registration programs that need fast, reliable iris capture without complicated operation. It captures both irises automatically in the ergonomic barrel-shaped design, helping operators collect consistent iris images across registration counters and field environments. With ISO/IEC iris image format support, eye-safe infrared illumination, and a comprehensive SDK, the IR210 gives governments, banks, border agencies, and identity solution providers a reliable iris recognition device for national ID, voter registration, e-Passport, border control, financial services, healthcare, and other digital identity programs.



High-Accuracy Iris Recognition

Advanced iris recognition supports accurate matching for trusted identity applications.



MOSIP-Compliant Iris Capture

Ready for integration into MOSIP-based digital identity registration deployments.



ISO/IEC Iris Image Format

Supports ISO/IEC 19794-6 for standardized iris image data exchange.



Barrel-Shaped Optical Design

Helps reduce external light interference for more consistent iris image capture.



Flexible Iris Capture Setup

Supports handheld use or fixed tripod deployment for different registration settings.



Eye-Safe Infrared Illumination

Infrared illumination supports iris capture while meeting applicable eye-safety requirements.



Comprehensive SDK Support

A complete iris SDK helps simplify iris recognition integration into identity management systems.



Multi-Platform Support

Supports Windows, Android, and Linux systems for flexible deployment across different host environments.

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

Applications

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

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