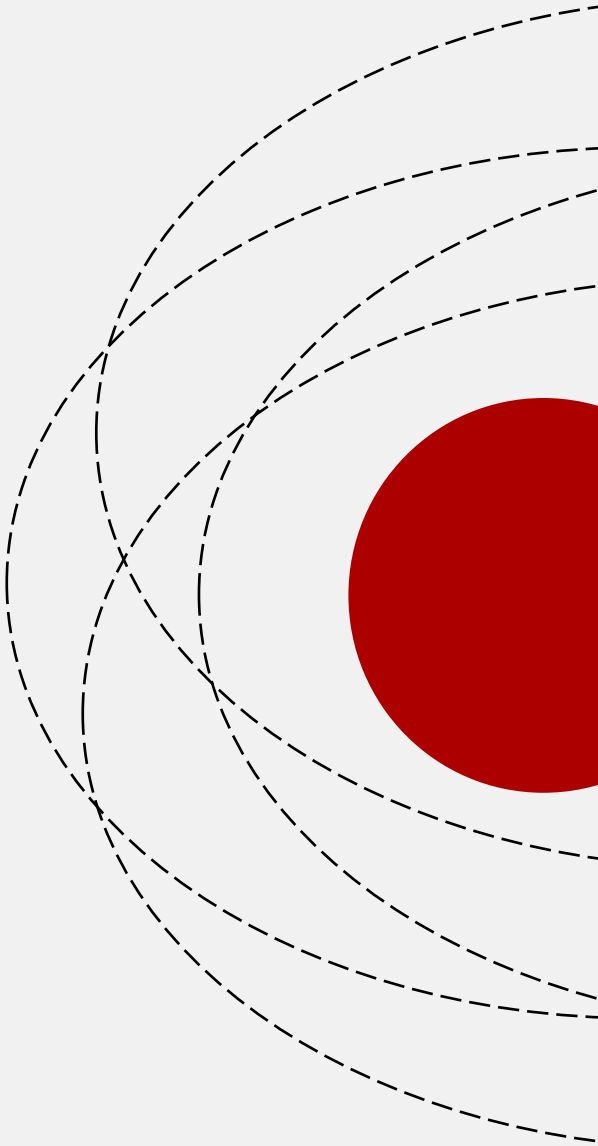


BROCHURE

IriCoreLite

Superior Iris Identification



about

Superior Iris Identification

Features & Capabilities

- Highly accurate iris segmentation for feature extraction based on variable multi-sector analysis and non-linear segmentation.
- Robust to various obstructions to the images due to different levels of illumination with strong image enhancer.
- Power occlusion detection algorithm to remove eyelids and eyelashes.
- Fast and accurate iris matching algorithm for large-scale applications.
- Strong image quality assessment algorithm.
- Reliable performance in NIST tests with existing public database.
- Thread-safe capability supports for multithread applications.

(※ Specifications to change without notice)

Why IRITECH?

IriTech, Inc. is one of very few iris providers who owns all in-house proprietary technologies vital for deploying any scalable end-to-end iris ecosystem. With more than 20 years of experience in iris recognition technology and top-ranked NIST¹⁾–proven algorithms, IriTech has been trusted by many prestigious clients. Our systems have been deployed in multiple and multisector large scale projects ranging from governments to corporates due to its exceptional performance in tough environment. IriTech is proud to be the partner of choice, leading the iris biometrics technology.

¹⁾ National Institute of Standards and Technology

Overview



IriCoreLite is an iris recognition library that provides various application programming interfaces (APIs) and functions to be used for developers or integrators to develop iris recognition-based applications.

IriCoreLite is designed for large-scale iris identification applications on PC and enterprise applications using IriTech’s iris scanners on Windows and Linux platforms.

IriCoreLite consists of various accurate iris segmentation and fast matching algorithms utilizing extensive image processing tasks. IriTech’s highly acclaimed iris recognition technology has been examined and proven in many systems and evaluated by prestigious organizations such as NIST (National Institute of Standards and Technology).

IriCoreLite is an iris recognition SDK which has been developed by IriTech for many years. All of the iris recognition algorithms packaged in IriCoreLite have been tested and proven to be solid and well performance by the NIST’s ICE & IREX.



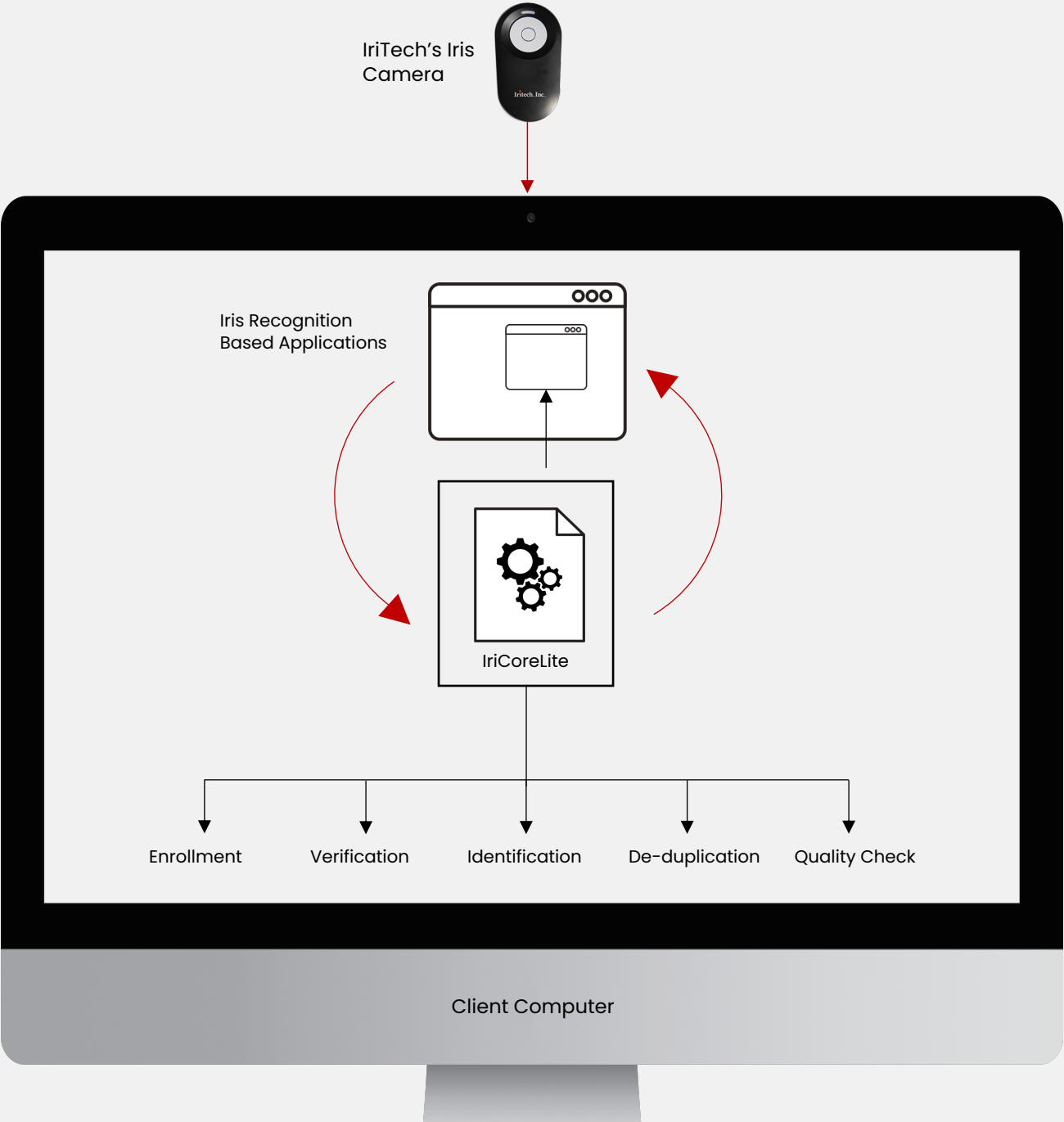
Operating System

Windows OS	Linux OS
• Windows XP • Windows 7 • Windows 8 (32-bit & 64-bit)	Redhat Enterprise 5.6–6.x, 32-bit & 64-bit
Compiler: Visual Studio 2005, 2008	Compiler: GCC

Supporting Iris Recognition Functions

Enroll	Performs enrollment of an iris image by extracting template from iris image and store it into the SDK gallery.
Identify (1:N)	Performs a one-to-many comparison of the given template/image with the enrolled iris templates in the SDK gallery to identify the individuals that are most likely represented by the given template/image
Verification (1:1)	Performs a one-to-one comparison of the given template/image with the stored biometric templates in order to verify that the individual is the person he or she claims to be.
De-duplication	Similar to identification, but it determines the first one among the biometrics database matching with the captured iris image.
Image Quality Assessment	Performs a quality check for iris images which is important for enrollment, verification, identification or de-duplication.

Working Process



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