ABIS Multi-modal Biometric Unified Platform

Safe and convenient unified certification · Lightweight management

Eyecool ABIS multi-modal biometric unified platform, relying on Eyecool self-developed underlying algorithm and unified data management technology, provides functions of multimodal data sensing, multidimensional data deduction, intelligent decision feedback and secure data sharing. It can provide basic service support for various business scenarios and realize safe and convenient unified authentication and lightweight management.

Powerful algorithm support

Relies on original facial, iris, fingerprint, and finger vein recognition algorithms to provide multi-modal fusion biometric authentication services

Efficient micro-service architecture

Enables flexible combination of basic service groups, rapid cluster deployment and low-cost operation and maintenance
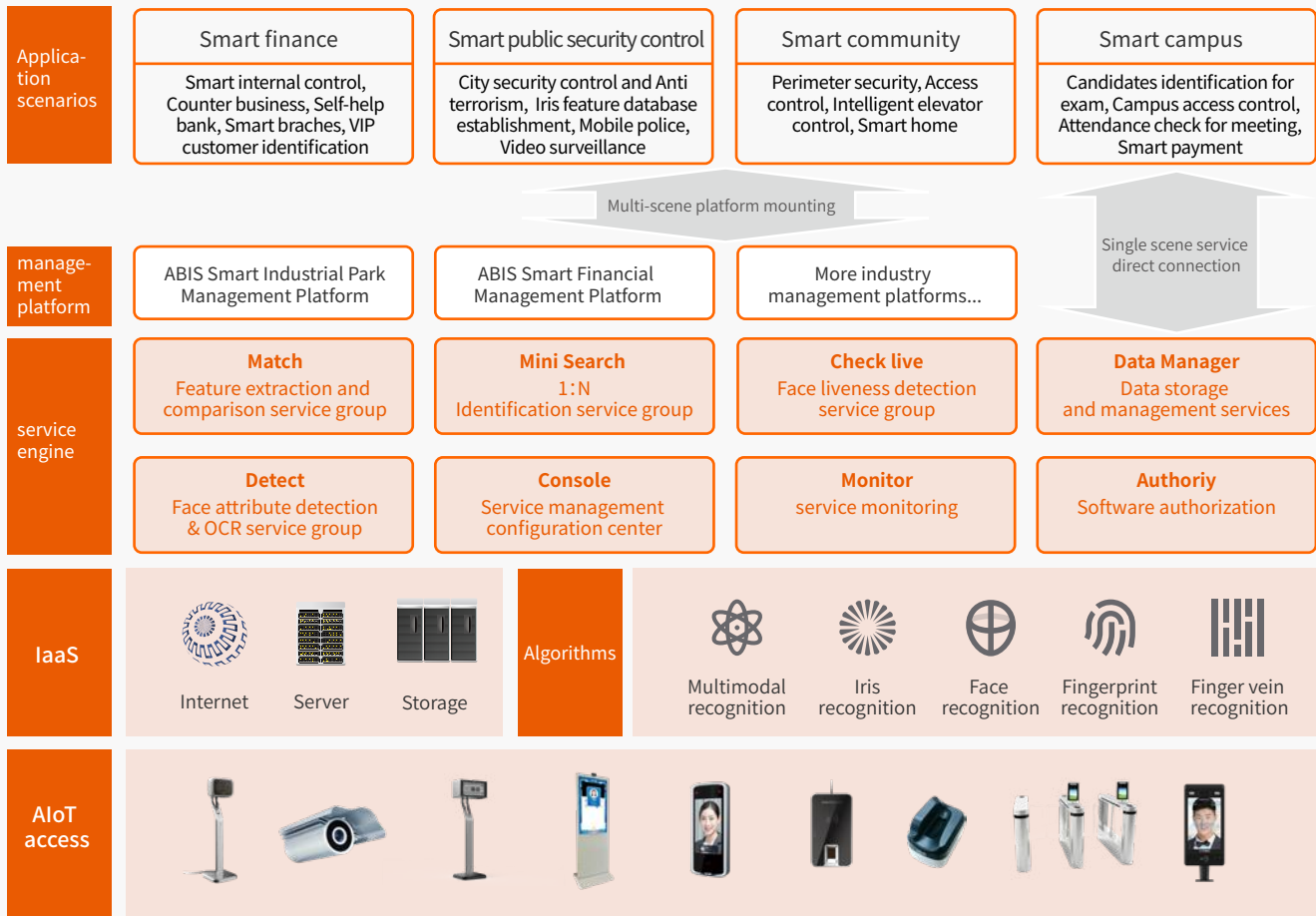Provides large-scale distributed computing capabilities

Perfect service management

Provides a visual management configuration center,realizing rapid cluster deployment, operation and maintenance, and operation monitoring data analysis

Various standard service interfaces

Provides multimodal fusion feature identification and authentication, data storage management and OCR identification service interfaces, etc

	Smart finance	Smart public security control	Smart community	Smart campus
Application scenarios	Smart internal control, Counter business, Self-help bank, Smart braches, VIP customer identification	City security control and Anti terrorism, Iris feature database establishment, Mobile police, Video surveillance	Perimeter security, Access control, Intelligent elevator control, Smart home	Candidates identification for exam, Campus access control, Attendance check for meeting, Smart payment

Multi-scene platform mounting

Single scene service direct connection

management platform	ABIS Smart Industrial Park Management Platform	ABIS Smart Financial Management Platform	More industry management platforms…	

service engine	**Match** Feature extraction and comparison service group	**Mini Search** 1:N Identification service group	**Check live** Face liveness detection service group	**Data Manager** Data storage and management services
	Detect Face attribute detection & OCR service group	**Console** Service management configuration center	**Monitor** service monitoring	**Authoriy** Software authorization

IaaS	Internet	Server	Storage	**Algorithms** Multimodal recognition	Iris recognition	Face recognition	Fingerprint recognition / Finger vein recognition

AIoT access

Application scenarios

It can provide one-stop multimodal biometric authentication service, data storage management service and OCR recognition service for finance, community, public security, education, electric power, government affairs, industrial parks and others, improving system deployment flexibility and reducing operation and maintenance costs.

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