IrisAccess™ 4000
the iris recognition system that's generations ahead of the rest

*A*n extraordinary array of increased functionality and flexibility lets LG IrisAccess™ 4000 set new standards for performance and versatility in this sector. Whether you are looking for a multi-biometric authentication system, or an exceedingly robust system that can be configured to support two-factor authentication, this system does it.
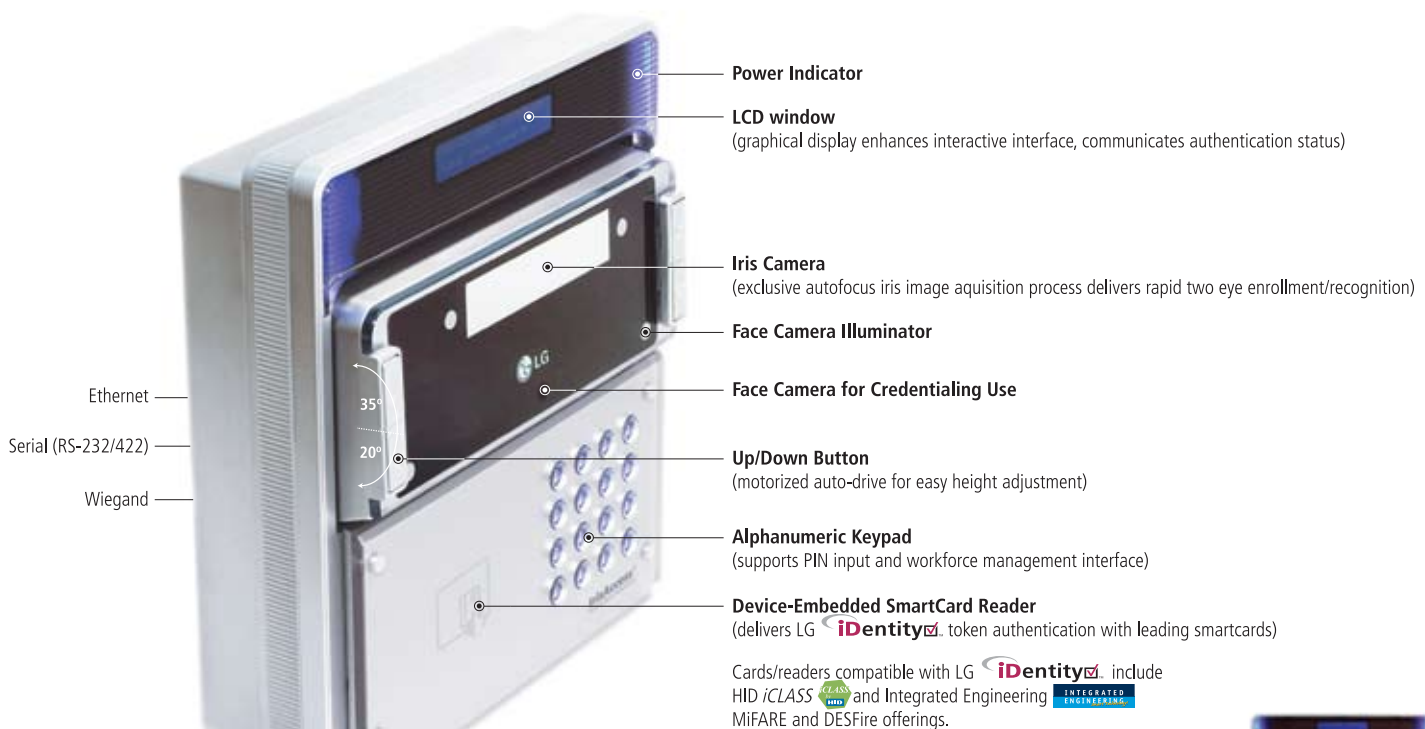
You've never seen an iris recognition camera that can do what this one can

LG, producer of IrisAccess™, the world's leading deployed iris recognition platform, redefines state of the art in authentication with LG IrisAccess™ 4000- a third generation iris recognition system with a range of models that deliver advanced identity authentication capabilities you'll want to look into.

IrisAccess™ 4000. Two eye image acquisition enabling a variety of authentication configurations including both token-based and PIN-based multi-factor authentication. Iris-based authentication can be delivered in left, right, either or two-eye mode.

The system exists for security, and LG has built it in. Unlike other systems, there are no biometric templates stored on any accessible external components. Experts concede that countermeasures LG includes in its IrisAccess™ platform set the standard for the industry and note in this area, many other biometric systems leave much to be desired. LG has improved the countermeasures in LG IrisAccess™ 4000. Security is also a key driver when it comes to software, where LG **iData**™ software for access control and an **iData**™ SDK for building identity-dependent applications supports several different (including FIPS compliant) encryption alternatives, as well as PKI.

Biometric technologies use unique physical or behavioral characteristics for high confidence human authentication. They are more reliable than other more easily compromised identity options that rely on something one knows or carries. There are more readily measurable characteristics in the iris, the visible colored ring around the pupil, than in any other biometric. Every human iris is unique. Compared to other biometrics, iris recognition is the most accurate, fastest, and scalable option. It's also non-contact. Iris structure is also very stable. An iris pattern will not change over time as that of finger, hand, voice and facial characteristics does; meaning that, barring trauma, one enrollment is good for life.

Power Indicator

LCD window
(graphical display enhances interactive interface, communicates authentication status)

Iris Camera
(exclusive autofocus iris image aquisition process delivers rapid two eye enrollment/recognition)

Face Camera Illuminator

Face Camera for Credentialing Use

Up/Down Button
(motorized auto-drive for easy height adjustment)

Alphanumeric Keypad
(supports PIN input and workforce management interface)

Device-Embedded SmartCard Reader
(delivers LG **iDentity**✓™ token authentication with leading smartcards)

Cards/readers compatible with LG **iDentity**✓™ include HID *iCLASS* and Integrated Engineering MiFARE and DESFire offerings.

Ethernet

Serial (RS-232/422)

Wiegand

35°

20°

IrisAccess™ 4000

iCLASS by HID

INTEGRATED ENGINEERING

iCAM4000
IrisCamera basic

iCAM4100
IrisCamera combination

T he LG IrisAccess™ 4000 series -- the latest models of the world's leading deployed iris recognition platform -- has features no other iris system offers. An auto-focus lens enabled iris acquisition process that ensures rapid, high quality iris images for enrollment and recognition. An automatic motor-driven targeting aid is just part of an intuitive and interactive voice and visual user interface. All models feature the robust LG counter-measures package experts concede sets the standard for the industry.

Two Eye Authentication IrisAccess™ 4000 quickly acquires digital images of both irises. A variety of authentication configurations can be selected including right, left, either, or both eyes.

Two Factor Authentication Card-based authentication is made easy by ordering an IrisAccess™ model containing a device-embedded reader from an increasing number of leading card companies affording compliance with the assured record non-duplication and out of the box issuing functionality afforded by LG's **iDentity**☑. token authentication architecture.

Multi-Factor Authentication is also afforded by a 16-element keypad that's standard on the top of the line model 4100 and allows entry of up to 10 digit PINs in the system- either as a second or third authentication layer to iris. And, it's an ideal input device for use in workforce management.

Face Image Camera All IrisAccess™ 4000 series cameras come with a face camera and purpose built illuminators that facilitate credentialing as part of the enrollment process.

Status Information Input requires feedback, and that's exactly what you get from the vacuum fluorescent display that comes standard with top of the line model 4100. Useful for providing feedback to enrollers, it also delivers information to users upon authentication, and a feedback mechanism for the workforce management environment.

Network Connectivity With each unit IP-addressable, IrisAccess™ 4000 is ideal for the very largest enterprise-scale network deployment and comes with a variety of standard connectivity options including USB, Ethernet, Serial RS-232/422, and a highly configurable Wiegand interface repertoire.
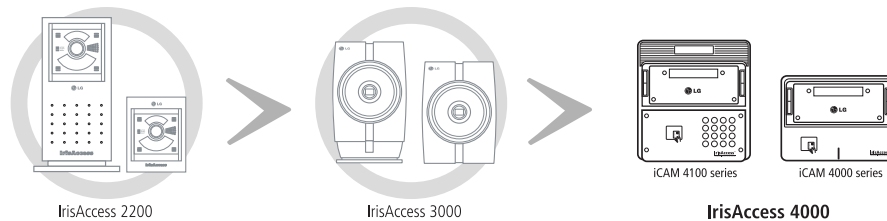
IrisAccess™4000
Advanced Identity Authentication

LG & IRIS RECOGNITION

A Pedigree of Performance and Innovation

LG has been active in iris recognition development and deployment since 1997.   Now, as a third generation product gains acceptance, LG IrisAccess™ is found on six continents, in thousands of installations, authenticating the identities of millions and millions of persons.

iCAM 4100 series   iCAM 4000 series

IrisAccess 2200   IrisAccess 3000   **IrisAccess 4000**

In fact, more people look to LG's proven IrisAccess platform than to all other iris recognition alternatives combined for identity authentication in a variety of applications for both public and private sectors. Unlike previous IrisAccess models, IrisAccess 4000 series hardware can be used for both enrollment and recognition. In addition to use with identification controllers, fully networkable IrisAccess 4000 also works in PC recog mode.

PHYSICAL ACCESS SECURITY

Stand-alone or Seamlessly Integrated Physical Security That's Both Card and Weigand-Compatible

Increasingly utilized as a core component in high integrity security and access control systems protecting property, physical assets, and people, LG IrisAccess is deployable as a standalone solution for controlling access to a particular portal, or can be seamlessly incorporated in a networked security environment where following the appropriate determination of identity, the enterprise access control system decides privileging and performs recordkeeping.   With Wiegand output delivered in virtually any bit-stream configuration, LG IrisAccess has been successfully integrated with most well-known physical access panels and security systems.

LG IrisAccess protects high value assets in art museums, design studios, and repositories of precious metals, stones and finished goods. Data-dependent organizations and concerns wishing to ensure information about plans, competitors, and customers is secured, look to LG IrisAccess for state of the art protection. In the financial services sector, household names in banking, brokerage, Insurance, and stock exchanges rely on LG IrisAccess. Laboratories working in drug development, pathogen study, and with fissile materials also use LG IrisAccess to ensure entry is limited to authorized persons. LG IrisAccess secures airports and helps make air travelers' flights more secure and more convenient. LG IrisAccess is also used around the world in protecting critical infrastructure in areas like water plants, electric generation and transmission facilities, and by some of the largest communications services providers in the world.

The technology is also gaining acceptance in law enforcement and public safety-related applications ranging from correctional facilities to first responder authentication.

IDENTITY DEPENDENT APPLICATIONS

Leveraging Identity For Productivity and Profit

Iris recognition has expanded beyond its security-oriented base as the need to reduce fraud, increase productivity, and provide user convenience creates new opportunities to incorporate the technology into a range of business processes.   Iris recognition has been deployed in programs run by both governments and Non-Government Organizations to manage entitlement distribution to documented and non-documented persons respectively. LG IrisAccess is used to authenticate members of clubs, to afford travelers speedier passage in airports and across borders, or to provide discrete and highly personalized services to guests at high-end hotels.

Pressed to deliver growth, more and more businesses are discovering the utility of LG IrisAccess in enhancing workforce management programs. The robust authentication of iris recognition eliminates buddy punching and the LG platform has been used in a variety of configurations from simple time and attendance applications to integration in large-scale ERP environments. The technology is also being tested in customer loyalty programs and the fast-growing automated POS sales environment by some of the foremost marketers in the world.
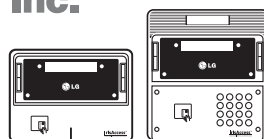
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