



Product Backgrounder

Panasonic Authenticam^Ô with Private ID^Ô *The leading iris recognition camera for authentication*

Overview

As the demand for accurate, scalable and cost-effective authentication solutions continues to increase, more organizations are turning toward iris recognition technology to improve how they associate the individual with what privileges they have (authorization). By using iris recognition technology to authenticate the individual, companies are now assured of who is accessing physical locations or sensitive information or applications. With iris recognition technology, documents and transactions will be truly non-reputable.

Panasonic Authenticam^Ô

The Panasonic AuthenticamTM camera protects information through the most accurate and easy to use authentication technology - iris recognition. The camera offers off-the-shelf video conferencing and user security for multiple users of PCs, files, folders, applications, and password banks.

The Panasonic Authenticam addresses the core issues of helping an organization diminish or eliminate the costs of password management, reduce the risks of privilege and policy management, and protect the private key.

Iridian's KnowWho Authentication Server software and Software Developer Kit (SDK) allows custom integration of the Panasonic Authenticam with enterprise-wide solutions for back office, legacy and web applications.



Highlights

The Panasonic Authenticam sets new information security standards for local and network PCs as well as enterprise business applications through a core set of benefits:

- Most accurate authentication
- Easy-to-use
- Password elimination
- Positive identification
- Non-invasive
- Fully scalable
- Video-conferencing
- Cost-effective

Features

Most accurate authentication.

Iris recognition is based on the most mathematically unique biometric - the iris of the eye. The human iris is absolutely unique, even between twins or an individual's right and left eyes.

A number of objective tests and evaluations over the last eight years have identified iris recognition technology as the most accurate biometric. The most recent of these evaluations was reported by the National Physical Laboratory on behalf of the Communications Electronics Security Group in April 2001.

Easy to use.

The camera's visual user interface supports a fast learning curve with enrollment in less than two minutes. Once enrolled, users can logon to their computer or the enterprise with just a glance, and each logon or entry takes less than three seconds to be authenticated.

Eliminate password management.

SecureSuite™ software is included with the Panasonic Authenticam to enhance the security of a standalone personal computer with a set of iris-recognition enabled applications:

- SecureLogon™ for local PC logon, supporting up to six users
- SecureSession™ for a password bank of personal internet accounts
- SecureFolder™ for folder and file level security
- SecureApp™ for secure application launching

The administrative burden of password management, which requires issuing complex alphanumeric combinations and providing multiple passwords per person, can be entirely eliminated through the use of the Panasonic Authenticam.

Iridian's KnoWho Authentication Server can be used with the Software Developer Kit for customized integration of the Authenticam with enterprise applications and databases. Additionally, Iridian's many solution provider partners offer seamless integration to a broad selection of operating systems, applications and databases.

Positive identification.

The Panasonic Authenticam with KnoWho Authentication Server software delivers one-to-many identification capability instead of one-to-one verification provided by most other security solutions. With true identification, users are not required to present additional verification such as a PIN, token or card.

How does iris recognition technology work?

Iris recognition identifies people by the unique patterns of the iris - the colored ring around the pupil of the eye. Iris recognition is the highest accuracy, single-factor identification method in the world. The human iris is the most mathematically distinct feature of the body and is far more distinct than even DNA.

Iris recognition technology from Iridian Technologies examines more than 240 degrees of freedom in the human iris to create the patented IrisCode® record, a 512-byte data template used to identify individuals.



The Panasonic Authenticam uses iris recognition technology - based on the iris of a user's eye - to provide the most accurate identification method in the world.

The combination of the Authenticam's one-to-many positive identification feature coupled with the technology's ability to perform an exhaustive search of virtually any size database at unequalled speed and with unparalleled accuracy represents enormous potential for eBusiness, enterprise, healthcare, government, and financial service initiatives.

Non-invasive.

The Panasonic Authenticam takes a video-based image from a comfortable 19-21 inches away, and requires no contact, only cooperation, from users. The Authenticam does not use any lasers or bright lights, which are often used in retinal "scans", nor does it require physical touching like most fingerprint-based solutions.

Video conferencing.

The Panasonic Authenticam is a multi-function dual channel camera that can record video email messages and can be used to participate in LAN/WAN and Internet-based video conferences.

Scale to the enterprise with KnoWho®.

The Panasonic Authenticam combined with Iridian's KnoWho™ Authentication Server software and Oracle or SQL databases provides for high performance integration with network environments.

The KnoWho™ Authentication Server software offers secure, robust encoding, record matching and database storage management of IrisCode® templates for enterprise applications. This one-to-many security solution can scale to support millions of users, and ensures individual authentication.

Highly cost-effective.

Studies from industry analysts such as the Forrester Group have concluded that password management costs an organization between \$200 and \$300 per employee per year. By eliminating passwords, organizations can experience an immediate return on investment.

Further, the functionality of the dual-purpose camera goes beyond security to deliver video-conferencing features for online collaboration. The inexpensive price relative to the unrivaled accuracy delivered by the Panasonic Authenticam is a compelling value proposition.

How does the Panasonic Authenticam work?

The Panasonic Authenticam takes a video image of the iris of the user’s eye from a comfortable 19-21” away. It uses standard video technology, with no harmful lasers or bright lights.

Private ID™ software from Iridian Technologies automatically controls all camera and software operations, and the user simply initiates iris recognition with a keyboard or mouse click. KnowWho™ authentication software converts the video image to a unique data format called an IrisCode® template. KnowWho™ authentication software also handles all encoding and matching logic for local security.

System Requirements

Awards

Iridian’s iris recognition technology has received many industry accolades and top awards, including:

- *2000 Comdex/JP Davis Product Concept Award*
- *2001 Best of EnterpriseVision Award for Best Software Application and Best Vendor*
- *2001 Frost & Sullivan Product Line Strategy Award*

Authenticam with Private ID only	SecureSuite 2.3 (minimum)	SecureSuite 3.10
Intel® Pentium MMX-class 333 MHz or higher	Intel® Pentium MMX-class 333 MHz or higher	Intel® Pentium MMX-class 333 MHz or higher
CD-ROM drive for installation	CD-ROM drive for installation	CD-ROM drive for installation
Windows® 98 / 2000 / ME	Windows 98 / ME	Windows® 2000
64 MB of RAM	64 MB of RAM	64 MB of RAM (minimum) 128 MB of RAM (recommended)
	30 MB of free 50 MB of free	hard disk space hard disk space
		40 MB of free hard disk space (minimum) 60 MB of free hard disk space (recommended)
USB interface	IE 4.0 or above	Microsoft® Internet Explorer 4.x or higher to use SecureSession (Explorer 5.5 recommended)