Iris Recognition Reader

Access Control and Time & Attendance

Transportation Solutions

Workforce Management Solutions

ICAM7101S-B*
Black color

ICAM7111S-H1T*
Titanium color

*See complete list of model options
Iris ID has been the leader and key developer and driver of the commercialization of iris recognition technology for the past 18 years. The IrisAccess® System continues to lead the market as the world’s most advanced and most widely deployed iris recognition platform.

The iCAM 7S series has features no other iris system offers. The iCAM 7S enables rapid iris acquisition with greater image quality for superior enrollment and recognition. The patented holographic targeting mirror is just one part of an intuitive and interactive interface that includes voice and visual feedback for increased speed. All models feature the robust Iris ID countermeasure package that experts agree sets the standard in the industry.

The new iCAM 7S series is a leap forward with larger system capacity and even easier to use. A larger targeting mirror and Auto-tilt assist allows touchless operation. The iCAM 7S models will operate in highly lighted areas – (up to 17,000 lux).

Iris ID’s biometric solutions provide highly accurate, non-contact identification by the iris of the eye from 14 inches away while delivering security, convenience, privacy and productivity to millions of people around the world. The iCAM 7S versatility and flexibility allows for easy integration with any Wiegand or IP network based access control, time and attendance, visitor management or point of sale applications.

Engineering and design teams have further enhanced the intuitive user interface of the iCAM series with visual and audible prompts that provide the easiest, quickest and most accurate iris enrollment and identification. A new, rapid, auto-tilt capability further enhances speed and convenience with a simple touch or when combined with cards or PINs to adjust for height. A face image can also be obtained during enrollment to streamline badging and visitor management applications while a space for an optional surveillance camera has also been incorporated.

All iCAM models are supported by a comprehensive iData IrisAccess EAC software suite for access control. Software development toolkits allow partners to build customized identity management applications.

Every iris pattern is unique and stable for life and since there are more readily measurable characteristics in the iris. Iris recognition is regarded to be the most accurate, fastest, and scalable option for both small and large scale biometric deployments. Other biometric modalities such as fingerprint, hand, voice, vein and facial characteristics can often vary and change over time or with use conditions.

### BENEFITS
- High Accuracy 1:N and 1:1 Capability
- High Speed - High Throughput
- Exceptional Flexibility and Ease of Integration
- Non-contact - Clean and Hygienic

### iCAM7S series
**Advanced Mutifactor Biometric Iris Reader**

### FEATURES
- Fast Fully Automatic Dual Iris Capture
- Easy Non-intrusive, Non-contact User Interface
- Integrated High Resolution Face Capture Camera
- Integrated Contactless Smart Card Reader (Option)
- Leverage Existing Infrastructure
- Capacity for Optional Third-party Surveillance Camera
- Easy Installation and Maintenance
- Backwards Compatible with IrisAccess 4000 and 7000 Systems
- Remote Management
- Stand-alone Door Access Capability
- Time and Attendance Ready
- Flush or Recess Mounting
- Capable of 1:N Matching of Millions Depending on Architecture

### ARCHITECTURE
- Optional Identity control panels (ICU7000-2) and Iris Enroll and matching software (Iris Access EAC) may be required depending on the project requirements.

- On board Time & Attendance Functions
- Anti-fraud: Fake iris detection
- Full set of contactless technologies including NFC
Multi-factor settings can be found in the iCAM7 series user guide under multi-factor authentication options. Card + Iris + PIN. All iCAM models can be used with preinstalled external readers that output Wiegand to offer 2 and 3 factor authentication options. Specific readers and leveraging a third party Physical Access Control System (PACS) that can support Card + PIN as an authentication mode. The result is authentication by Card + Iris + PIN. All iCAM models can be used with preinstalled external readers that output Wiegand to offer 2 and 3 factor authentication options. Specific settings can be found in the iCAM7 series user guide under multi-factor authentication options.

3 Factor Authentication: iCAM 7S* with PACS System (PACS PIN)

Key Features
iCAM 7S Iris Readers all reside on a TCP/IP network for device management. A wide array of input/output (I/O) connections are provided on all iCAM7 models which enable connection to virtually any third party system. iCAM 7S provides both reader and controller capability in a single device. This design allows for a simple setup procedure and long term system stability eliminating any single point of failure affecting the entire system operation. Operation can also be administered completely stand-alone via on–device Enrollment, thus eliminating the need to install any software on a PC in some configurations. iCAM 7S provides both Security and Convenience. Readers can be configured for virtually any combination using Iris Biometrics, Cards or Pins. This allows for the highest level of security or the greatest level of convenience depending on the application use case requirement.

Recognition Modes
1:N Identification, 1:1 verification with Iris + Card or PIN, 1:1 with Iris template encrypted on a Smart Card, Iris or Card or Pin

Additional Software Options Available:
Iris ID has a number of other options for greater system flexibility and database integrations.
- iData™ EAC Toolkit Database Interface – CMM API SDK
- USB Camera Enrollment Application
- Data Migration & Synchronization tools
- IA Punch Service - Used in many Time & Attendance installations.
- IA Reporting Application – Robust
- Ask your Iris ID sales representative for a comprehensive overview of the available tools.
- Iris ID is ready to provide Professional Services to address your particular business needs.

Multi-factor Authentication
Multi-factor authentication can be easily accomplished by using a combination of EAC software, iCAM 7S units with built in keypad and card readers (or third party readers) and leveraging a third party Physical Access Control System (PACS) that can support Card + PIN as an authentication mode. The result is authentication by Card + Iris + PIN. All iCAM models can be used with preinstalled external readers that output Wiegand to offer 2 and 3 factor authentication options. Specific settings can be found in the iCAM7 series user guide under multi-factor authentication options.

2 Factor Authentication: iCAM 7S* without PACS System (Local PIN)

1:N Identification, 1:1 verification with Iris + Card or PIN, 1:1 with Iris template encrypted on a Smart Card, Iris or Card or Pin

Sample IrisAccess Configuration

The configuration above illustrates the iCAM 7S connected to a conventional Card Access System. Many operational variations are possible.

Iris ID Algorithm
Iris ID is recognized as the world leader for iris identification accuracy. The Iris ID algorithm is recognized and tested by NIST. The superior onboard quality assessment and countermeasures suite assures reliable and consistent performance.

Safety and Standards Compliant
Iris ID’s success as a designer and manufacturer of high quality iris recognition for over 18 years is reflected by the adoption of Iris ID products and our global leadership. Continuous review of market needs, human factors requirements and applying precise engineering enable Iris ID to deliver market leading solutions. Iris ID products have always met or exceeded all US and international eye safety requirements. The optics and subtle illumination produced by IrisAccess products have been thoroughly tested and found to fall well within UL and ANSI eye safety standards. The full line of Iris ID Iris Readers and Cameras are tested and comply with the most stringent safety standards: IEC 67421, UL294 ETL, and CE. Iris ID Cameras also conform to ISO 29794-6 Iris Interchange Standards.

System Security
Iris ID iCAM 7S Iris Readers include an array of security features which improve network communication and database protection. Digital certificates and standards based encryption are all a part of IrisAccess solutions.

* See complete list of models with options for LCD Keypad and Card reader functions.
iCAM 7S series Unit Model Matrix

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LCD Display / On-Screen Pin Pad</th>
<th>Card Reader</th>
<th>Color</th>
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<tbody>
<tr>
<td>iCAM7000S-B</td>
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<tr>
<td>iCAM7000S-T</td>
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Third Party Accessories

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<th>Description</th>
<th>Color</th>
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<tr>
<td>STI-7530</td>
<td>NEMA 4 Enclosure</td>
<td></td>
</tr>
<tr>
<td>STI-7530HTR</td>
<td>NEMA 4 Enclosure with Heater</td>
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</table>

Use of IrisAccess

- Building Security
- Transportation Security
- Laboratory Security
- Infrastructure Security
- Public Safety & Justice
- Time & Attendance
- Border Control
- Data Center Security

User Interface

- Orange dot turns to green when user is at correct distance.
- Visual indication is complemented with friendly audio prompts.
- Right and left iris images are acquired.
- A face picture can also be captured.

Installation and Dimension

Iris Camera Mounting Height should take into consideration the environment and specific application. Taller people can always bend slightly at the waist or look down at a fully tilted up camera. Shorter people may require some consideration and thought by the installers. The iris camera can be mounted lower. An external tilt switch can also be used to aid in tilting of camera target mirror.

Possible mounting heights for different applications.

Suggested Mounting Heights only. Height should take into consideration the users and the read range of 11-15 inches away from the front of the mirror. Taller people have more flexibility to look or bend down slightly. The cameras should be at a comfortable height where shorter people can comfortably use the technology.

Eye Safety

Iris ID’s success as a designer and manufacturer of high quality iris recognition solutions for over 18 years is reflected by the global leadership and adoption of Iris ID products. Continuous review of market needs, human factors requirements and precise engineering enable Iris ID to deliver market leading solutions. Iris ID products have always met or exceeded all US and international eye safety requirements. The optics and subtle illumination produced by IrisAccess products have been thoroughly tested and found to fall well within UL and ANSI eye safety standards.