Technical Overview

The IrisAccess system consists of iData EAC (Entry Access Control) Software & proprietary hardware that pairs specifically with our software suite. Several hardware components can be used: iCAM4000 series, ICU4000 series, iCAM7000 series and functional operational mode options can be used.

**iCAM7000 series (IrisCamera)**

- **Dimensions (W x H x D)**: 7.01” x 8.31” x 2.52” (178mm x 211mm x 64mm)
- **Weight**: 3.5 lbs (1.6kg)
- **Power Input / Consumption**: 12-24 VDC, 2.0 Amps @ 12VDC / 24W
- **Status LED**: Multi Color - Red, Green, Blue for status indication
- **Iris Operating Range Indicator**: Dual Color - Orange (out of range), Green (in range)
- **Voice Indication**: English standard, others available by download
- **Iris Capture Range**: 12” - 14” (31cm - 35cm)
- **User Input**: Function keys six user definable (iCAM7100)
- **Touch Screen LCD Display**: 4.3” (480 x 272 pixels) (iCAM7100)
- **Pin Pad**: Pop-up on screen pin pad (iCAM7100)
- **Flash**: High output flash for face capture
- **Face Image Camera**: Face camera - 5MP
- **Transaction Log Capacity**: Up to 100K FIFO transactions stored on device, unlimited on server
- **Relays x 2**: Control for user defined operations
- **External Media Device Connectivity**: Secure user accessible USB port
- **Operating Temperature**: 32°F - 113°F (0°C – 45°C)
- **Storage Temperature**: -4°F - 203°F (-20°C - 95°C)
- **Humidity**: Up to 90% non-condensing
- **Iris & Face Camera Rotation Angle**: +35°/-25°
- **Communications**: Ethernet (LAN, WAN), RS422 (output only), RS232 (input only from external card readers)
- **Inputs / Outputs**: Proximity Card Reader (Wiegand In), Embedded Smart Card Reader (Optional), Wiegand In, Wiegand Out, Dry Contact Relay x 2, Programmable GPIO x 4
- **Equipment Supplied with iCAM7000**: Instruction Manual - Hardware Guide
- **IrisAccess EAC Server, iData SDK**: Refer to IrisAccess Control Software specifications

**IrisServer PC Requirements**

- **Processor**: Pentium®IV 1.6GHz or higher
- **Memory**: 512MB or higher
- **Hard Disk**: 10GB or higher
- **Ethernet**: 10/100Mbps Full Duplex
Recognition Modes

- Iris in the 1:N search identification mode
- Iris in the 1:1 verification mode with a PIN
- Iris in the 1:1 verification mode with a prox card
- Iris in the 1:1 verification mode with a smart card

Multi-factor Authentication

Multi-factor authentication can be easily set by using a combination of EAC software, iCAM7100 with built in keypad 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 solutions. Specific settings can be found in the iCAM7000 series user guide under multi-factor authentication options.

- 3 Factor Authentication: iCAM7100 with PACS System (PACS PIN)
- 2 Factor Authentication: iCAM7100 without PACS System (Local PIN)

Eye Safety

Iris ID’s success as a designer and manufacturer of high quality iris recognition solutions for over 15 years is reflected by the global leadership and adoption of Iris ID products. Continual 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.

iData™ EAC Software Features

- Enrollment: Simple and flexible administrative user interface for enrollment.
- Setup: Improved software setup and configuration tools for ease of installation.
- Reporting: Individuals are identified as their biometrics are presented. Transactions are stored in the system log and can be downloaded by a system administrator. Logs can also be integrated into an HR time keeping system. IrisMonitor™ provides real time access reporting for multiple iCAM7000 series devices.

©2012 Iris ID, Inc. All rights reserved. Design and specification subject to change without notice.