

# iCAM7100 series

## Time & Attendance Terminal



- Convenient "non-contact" IrisAccess® Solution
- Easy-to-use, Fast, Accurate and Secure
- Largest 1:N Template Capacity in the Industry
- Single-, Two- or Three-factor Authentication\*
- Full Color 4.3" Touch LCD Screen; On Screen PIN Pad
- Programmable Function Keys for Time & Attendance
- Remote Device Management
- Stand-alone or Multiple Recognition Points
- Transaction and History Reports
- Access Control Enabled

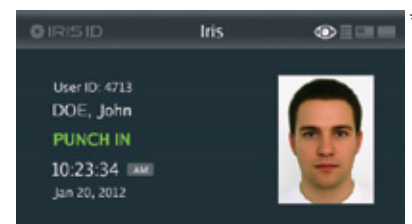
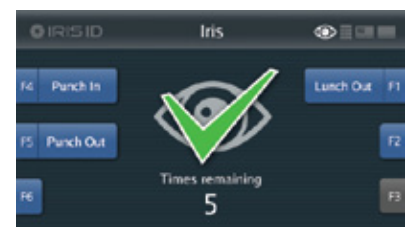


Iris ID biometric devices are one of the most effective solutions for time and attendance, workforce management, and access control. Our iCAM7100 series devices eliminate the potential errors associated with manually calculating employee hours. These readers also eliminate costly "buddy punching" because biometrics identify a person based on their unique physical characteristics of the iris. For the most demanding applications, Iris ID has a solution that will fit the needs. Iris ID can be used in environments where workers have difficulty providing other biometrics.

The iCAM7100 series devices are the most vital solutions for effective workforce management. With the iCAM7100 devices organizations can improve record-keeping accuracy, alleviate risk, increase employee productivity.

The iCAM7100 also provides a host of benefits for your business.

- **Reduced Payroll and Administration Costs** – because punch-in and punch-out data is read and recorded at the point of entry, timecards are eliminated, along with any discrepancies between time worked and time reported.
- **Eliminates Time Fraud** – since every user's iris is unique, the iCAM7100 eliminates costly and fraudulent "buddy punching."
- **More Productive and Informed Workforce** – identification takes place in less than a second; during that process the communication panel can display time/date and ID number of employees, promoting communication with management.
- **Remote Management** – remote diagnostic capability allows for device maintenance without removing the device from the wall.
- **Non-Contact** – inhibits any transfer of germs or bacteria to other employees.



\* Individual photo display will be available with future software upgrade.

### When you want to cut time and attendance costs, implement Iris ID iCAM7100

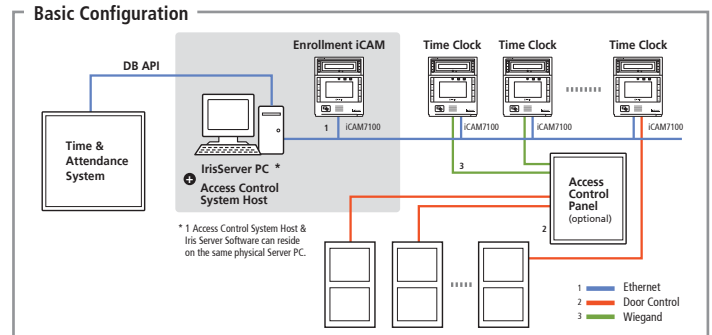
Iris ID brings the accuracy and convenience of iris recognition technology easily within reach of any time and attendance application. In operations that range from coal mines to clean rooms, the Iris ID devices have proven to be a practical and precise solution. For any size companies, the iCAM7100 provides a high return on investment by eliminating the cost associated with administering and managing cards. For companies that have small, multiple locations, minimal supervision leaves an opportunity for buddy punching and time fraud.

# System Configuration

## iCAM7100 series

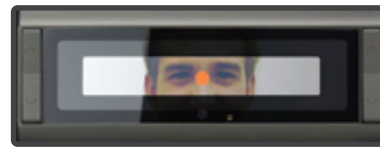
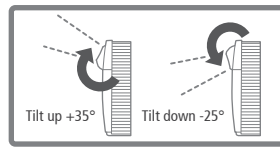
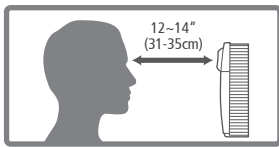
Dimensions (W x H x D)	7.01" x 8.31" x 2.52" (178mm x 211mm x 64mm)
Weight	3.5lbs (1.6kg)
Power Input / Consumption	12~24 VDC, 2.0 Amps @ 12 VDC / 24W
Status LED	Multi Color - Red, Green, Blue for status indication
Iris Operating Range Indicator	Dual Color - Orange (out of range), Green (in range)
Voice 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

The IrisServer PC (iData EAC) controls enrollment and the distribution of 512 byte (two eyes 1K bytes) iris templates to the iCAM units. A Wiegand output or relay can control the operation of the door. A multi color targeting aid is part of an intuitive and interactive interface that includes voice and visual feedback for optimum user experience. iCAM7000 will automatically adjust the recognition mirror the users height when a card is presented to the iCAM. Single, Dual or Tri-Factor authentication is available.



Model Number	iCAM7101	iCAM7111-U1	iCAM7111-M1
MiFare / DesFire / iClass (13.56MHz High Freq Card)		●	●
PROX (125KHz Low Freq Card)			●
LCD / PIN Pad / Function Key	●	●	●

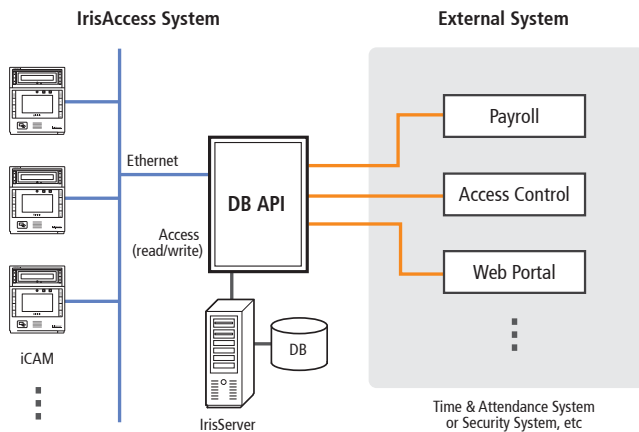
## User Interface



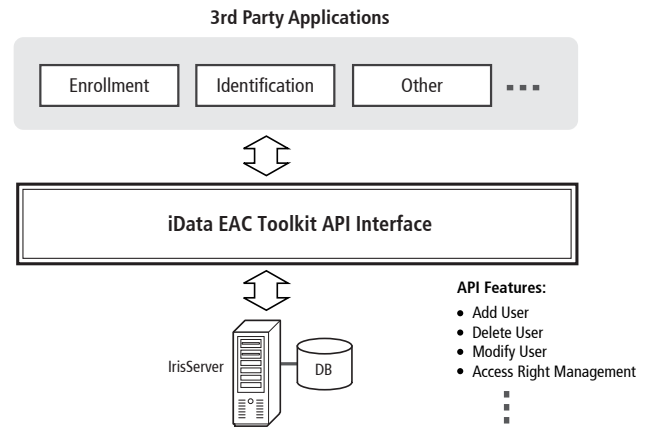
- iCAM activates when user approaches or when card is presented.
- Picture capture range is 12~14 inches (31~35cm) away.
- Self or auto/set height adjustment.
- Placing dot over the bridge of nose, easily helps alignment.

- Orange ● turns to green ● when user is at correct distance.
  - Visual indication is amplified with friendly audio prompts.
  - Right and left irides are acquired.
  - A face picture can also be captured.
- Green dot = In range  
● Orange dot = Out of range

## IrisAccess DB API Interface Architecture



## IrisAccess iData Toolkit Application Architecture



## 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.



**Iris ID, Inc.**  
7 Clarke Drive, Cranbury, NJ 08512, USA  
Tel. 609-819-IRIS(4747) Fax. 609-819-4736  
[www.irisid.com](http://www.irisid.com)



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