

# iCAM7000 series

Advanced Multifactor Biometric Iris Reader



Iris ID's IrisAccess® 7000 continues to set the highest standard for performance and versatility for iris recognition. Whether you are looking for a single biometric identification solution that leads the industry, or a multi-factor verification solution that works with cards, card readers or keypad solutions, the IrisAccess platform will meet your needs.

Iris ID has been the leader and key developer and driver of the commercialization of iris recognition technology for the past 15 years. IrisAccess continues to lead the market as the world's most advanced and most widely deployed iris recognition platform.

The iCAM7000 is the newest generation in the iCAM series and is completely compatible with the prior iCAM4000 series solution deployed worldwide. IrisAccess, now in its fourth generation, has even more features and functionality with greater integration flexibility.

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 iCAM7000's versatility and flexibility allows for easy integration with many Wiegand and network based access control, time and attendance, visitor management and 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 rapid auto-tilt capability further increases both 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.

A new iData™ software suite for access control, as well as SDKs and a development tool kit allow partners to build identity management applications which support several encryption alternatives, are FIPS201 compliant and include PKI support. Experts also concede that the countermeasures built into the IrisAccess suite set the standard for the industry.

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.

# Technical Specifications

The iCAM7000 series has features no other iris system offers. iCAM7000 enables rapid iris acquisition with greater image quality for superior enrollment and recognition. A holographic targeting aid 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 experts agree sets the standard in the industry.

## Benefits:

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

## 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
- Leverage Existing Infrastructure
- Capacity for Optional Third-party Surveillance Camera
- Easy Installation and Maintenance
- Backwards Compatible with IrisAccess 4000 System
- 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

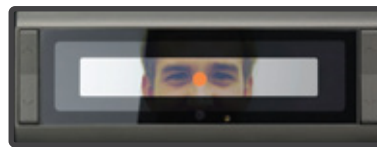
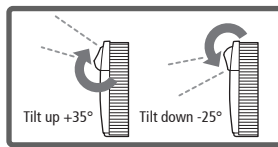
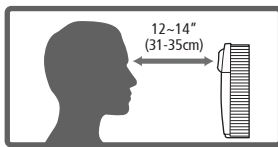
## Architecture:

- Identity control panels (ICU4000s) and iris enroll and matching software (EAC) may be required depending on the project requirements.

## iCAM7000 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 and alarm 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 CMOS - 5MP
Transaction Log Capacity	Up to 1,000,000 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, RS232
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

## 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

## Use of IrisAccess



Building Security



Transportation Security



Laboratory Security



Infrastructure Security



Public Safety & Justice



Time & Attendance

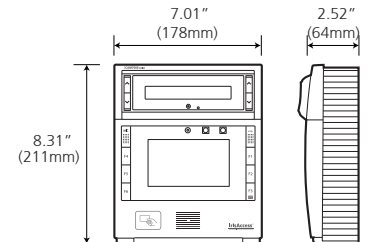
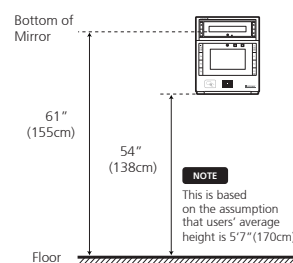


Border Control



Data Center Security

## Installation and Dimension



Suggested mounting height and dimensions.  
Surface Mount: Back plate included.  
Recess Mount: Recess/Trim kit sold separately.

## Eye Safety

Iris ID's heritage as a designer and manufacturer of high quality products is reflected in the utility, intuitiveness, human factors engineering and concern for safety which is the cornerstone of the Iris ID design and innovation process for iris recognition. The IrisAccess cameras meet all US and international electrical code requirements. The subtle illumination produced by IrisAccess cameras have been thoroughly tested and found to fall well within UL, ANSI, and IEC eye safety standards. All IrisAccess generations have been independently tested and approved for eye safety by public and private testing services around the world.



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