

iCAM7000 Series Operation Mode 3 Setup Guide

-For use with iData EAC Software

Purpose:

This document will provide information on the iCAM7000 Series with use of operational mode: Option 3. This document will detail the best practice process basic steps for Installation / Setup of an iCAM7000 series camera unit.

Requirements:

- Windows XP (or above) Computer with an Internet browser
- iData EAC Software v3.03.x (or higher)
- iCAM7000 Series camera unit (iCAM Software version 7.02.49 or above)
- Network Switch, or Cross-over cable

Initial Setup / Connecting to an iCAM

- Prepare a network connection from the computer to the iCAM that will be used. Generally a network switched is used; however a cross-over cable directly from the Computer to the iCAM can be used.

Note: An Internet connection is not required to access or use the iCAM web configuration. Only a network connection between the computer and iCAM is required.

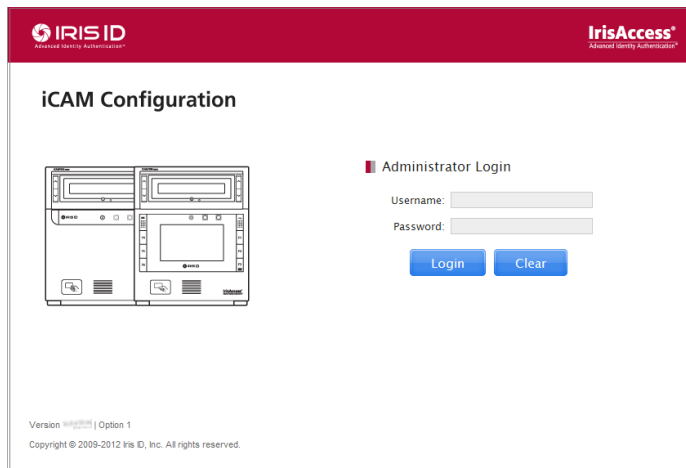
To login to iCAM, the Default User ID is: **iCAM7000** / Password is: **iris7000**.

Changing the IP address of an iCAM

Note: To avoid IP Address conflicts: The IP Address of each iCAM must be changed individually. Do not connect more than one un-configured iCAM to the network at any one time. Any computer with a web browser which supports graphics (ex. Internet Explorer) can be used to configure the iCAM7000series cameras.. (Default IP settings are used for reference.)

IMPORTANT: If a Windows Warning screen appears as displayed in the following image, select "Run" to view the webpage correctly.

1. Set the computer to the static IP of 192.168.5.250 - subnet 255.255.255.0
2. Open the web browser and enter http://192.168.5.100 in the address bar then press ENTER. The iCAM login screen will appear
3. Enter the default Username: **iCAM7000** and Password: **iris7000** (both are case sensitive)



iCAM Configuration

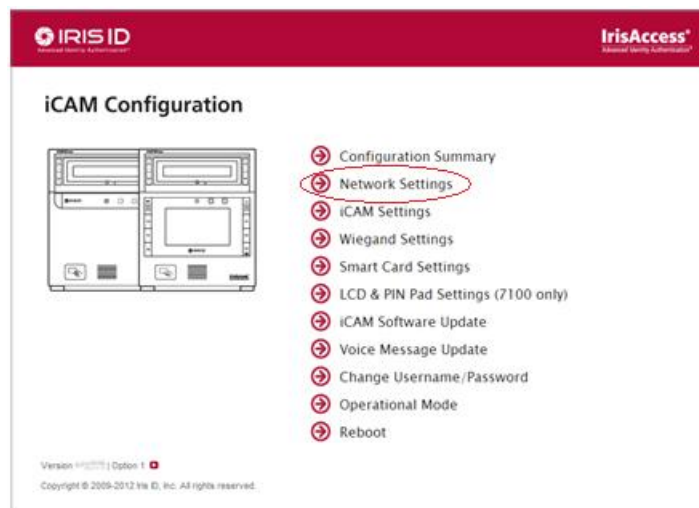
Administrator Login

Username:

Password:

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4. The iCAM Configuration Main Menu will appear.



iCAM Configuration

- Configuration Summary
- **Network Settings**
- iCAM Settings
- Wiegand Settings
- Smart Card Settings
- LCD & PIN Pad Settings (7100 only)
- iCAM Software Update
- Voice Message Update
- Change Username/Password
- Operational Mode
- Reboot

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5. Select > "Network Settings".
6. Enter a new IP address for the iCAM _____ (default = 192.168.5.100)
7. Enter a new Subnet Mask for the iCAM _____ (default = 255.255.255.0)
8. Enter a new Default Gateway for the iCAM. _____ (default = 192.168.5.254)
9. Click **OK** to save changes and to open network settings verify screen.

Resetting the iCAM if needed: The iCAM FACTORY DEFAULT button is located on the iCAM7000 interface board below the RTC battery. With the unit powered on, press and hold the FACTORY DEFAULT button for at least 5 seconds. This will reset the iCAM IP Address to the factory default of (192.168.5.100) .The default login ID for the iCAM (User ID= iCAM7000 / Password= iris7000).

To test the IP Address change, perform a ping to the new IP Address (as described below):

1. Click on Start (in the Windows task bar of the connected PC)

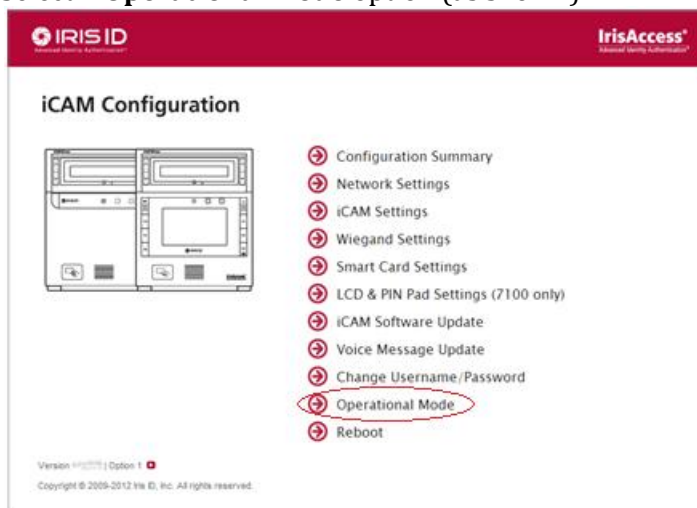
2. Select: Run
3. Type: CMD
4. Press: Enter
5. At the command prompt type: ping <new IP> (ex. ping 192.168.5.120)
6. Close the command prompt window.

Setting up the iCAM7000 Series in Option 3 with IrisAccess EAC Software

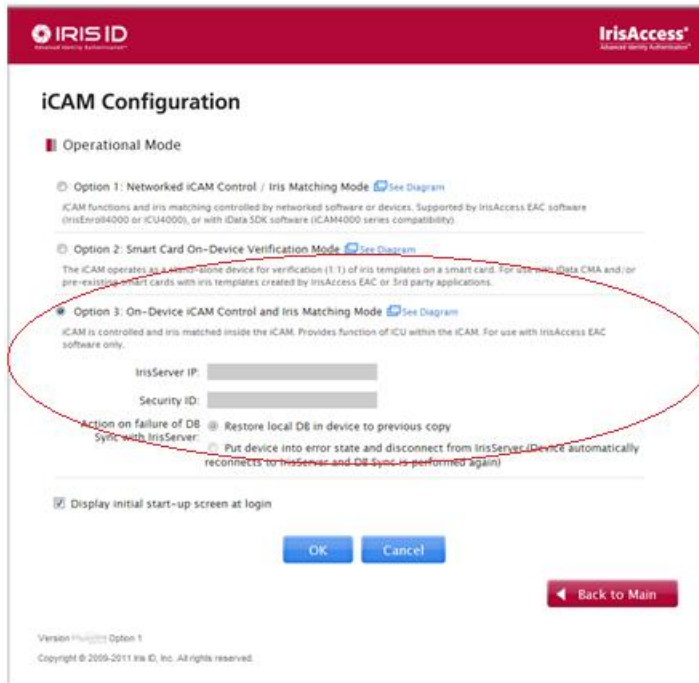
Note: “Option 3: On Device iCAM Control and Iris Matching Mode” – When option 3 is selected, the iCAM is controlled and the iris data is matched inside the iCAM. This mode provides the function of an ICU controller within the iCAM. This option is designed and must be used with IrisAccess EAC software version 3.03.x and above.

***Compatibility Warning:** If attempting to use an iCAM7000 series unit in operational mode “Option 3”, compatible IrisAccess EAC software version 3.03.x **MUST** be used for full functionality of this option.

1. Login to the iCAM configuration screen by opening an Internet Explorer browser window and typing in the iCAM IP address.
2. Login to the iCAM with user ID and password
3. Select > **Operational Mode** option (as shown)



4. Select the Operational Mode: **“Option 3: On Device iCAM Control and Iris Matching Mode radio button** from the main screen:



iCAM Configuration

Operational Mode

- ☐ Option 1: Networked iCAM Control / Iris Matching Mode [See Diagram](#)
iCAM functions and iris matching controlled by networked software or devices. Supported by IrisAccess EAC software (IrisEnroll4000 or iCU4000), or with iData SDK software (iCAM4000 series compatibility).
- ☐ Option 2: Smart Card On-Device Verification Mode [See Diagram](#)
The iCAM operates as a smart-card device for verification (1:1) of iris templates on a smart card. For On-Card (Data CMA and/or pre-existing) smart cards with iris templates created by IrisAccess EAC or 3rd party applications.
- ☒ Option 3: On-Device iCAM Control and Iris Matching Mode [See Diagram](#)
iCAM is controlled and iris matched inside the iCAM. Provides function of iCU within the iCAM. For use with IrisAccess EAC software only.

IrisServer IP:

Security ID:

Action on failure of DB Sync with IrisServer: ☒ Restore local DB in device to previous copy
☐ Put device into error state and disconnect from IrisServer (Device automatically reconnects to IrisServer and DB sync is performed again)

☒ Display initial start-up screen at login

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5. Enter the Iris Server IP address (IP address of the computer running the IrisServer application)
6. Enter a unique **Security ID** for this unit (16 character requirement).
7. Select the radio button **Restore local DB in device to previous copy**
8. Write down in the below fields the iCAM7000 Series IP address, IrisServer IP, and Security ID for each iCAM7000 that is to be used in Operational mode: Option 3

Note details for each iCAM being set up and save this data in a secure location.

iCAM7000 Series

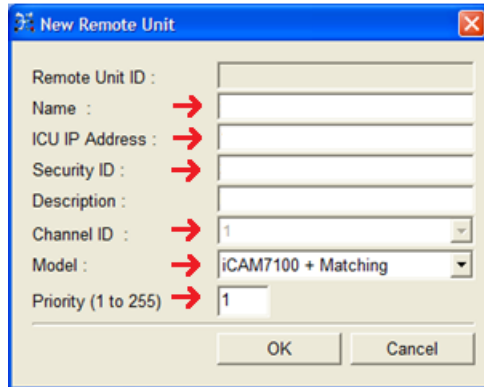
IP Address: _____ . _____ . _____ . _____
 Subnet Mask: _____ . _____ . _____ . _____
 Gateway: _____ . _____ . _____ . _____
 IrisServer IP: _____ . _____ . _____ . _____
 Security ID (16 characters): _____

9. Press **Okay** to apply changes and allow camera to reboot when prompted.

Registering an iCAM7000 Series in Option 3 mode with iData EAC Software

IrisManager allows creation of remote unit for iCAM7000/7100 Option 3. Refer picture below. Enter the iCAM IP address in the **ICU IP Address** box. Selecting **iCAM7000 + Matching or**

iCAM7100 + Matching option from the Model drop down menu will automatically set Channel ID to 1 and its control will be disabled.



Step Process:

1. Install EAC Software version 3.03.x (or above) if not already installed. -Refer to the “iData EAC User Manual” for complete software information instructions.
2. Open the IrisServer.exe application (located on the desktop)
3. Open the IrisManager application (located on the desktop)
4. Select the **Creation** button in IrisManager and select Remote unit tab (if not already selected).
5. Click on the **New** Button. The *New remote unit window* will be displayed.
 - a. Enter a **Name** of the remote unit – this can be descriptive, (ex: FrontDoor 1)
 - b. Enter the **ICU IP Address** - which is the same IP address as the iCAM7000 series in Option 3 mode. (Option 3 implies that ICU matching functions are performed inside the iCAM.)
 - c. Enter the **Security ID** (16 characters) which is the security ID that is setup when configuring the iCAM for option 3 mode.
 - The **Security ID** must be identical to the **Security ID** typed in during the setup of the iCAM setup when configuring it with option 3. (step 6 above)
 - d. Enter a **Description** - this can be whatever you wish.
 - e. You must also select the **Channel ID** as 1
 - f. Select the **Model** – Make sure to select “iCAM7xxx + Matching”
 - g. Set the Priority – generally this is set to 1.

Note: More than one camera unit can have the same **priority** (from 1 – 255. 1 is the highest priority and 255 is the lowest). When the priority level is set, the iCAM will function and receive/send update information for the highest priority iCAM unit(s) first.
6. Once all the required fields are entered, click **OK** button to complete the remote unit registration.
7. The successful addition of the remote unit causes the **Status** window to pop up.
 - Repeat these steps to configure each iCAM7000 series camera unit for option 3 as needed.