



CHAPTER 2

Accessing the Encoder

This chapter describes how to access the video encoder, and includes the following sections:

- [Determining the Encoder IP Address, page 2-1](#)
- [Accessing the Encoder Using a Web Browser, page 2-2.](#)
- [Accessing the Encoder Using an RTSP Player, page 2-2.](#)

Determining the Encoder IP Address

To access the encoder, you must determine what its IP address is. You can use one of the following two methods to determine what the encoder IP address is:

- [Using DHCP, page 2-1](#)
- [Using Link-Local Address Scheme, page 2-1](#)

Using DHCP

By default, when the encoder is turned on it attempts to obtain an IP address from a DHCP server in your network.

Using Link-Local Address Scheme

If the encoder cannot obtain an IP address through DHCP, an IP address is assigned using the Link-Local address scheme. The Link-Local address scheme enables the video encoder to be seen with a default IP address of 169.254.0.99. If another device on your network is already using this default IP address, the video encoder acquires an IP address by inserting part of its MAC address into the 169.254.x.x IP address. To do this, the encoder converts the hex digits of the MAC address to decimal values and then applies them to create an IP address in the following format:

169.254.MAC:9-10.MAC:11-12

where MAC:9-10 are the 9th and 10th digits in the MAC address, and MAC:11-12 are the 11th and 12th digits.

For example, using this method, an encoder with a MAC address of 00-11-22-33-44-55 acquires an IP address of 169.254.68.85, given that hex 44 = 68 decimal and hex 55 = 85 decimal.

**Note**

To find the encoder MAC address, see the label on the bottom of the device.

Accessing the Encoder Using a Web Browser

To access the encoder using a Web browser, perform the following procedure:

Before you begin

Make sure you have the IP address of the encoder. For more information about acquiring the encoder IP address, see the [“Determining the Encoder IP Address” section on page 2-1](#).

Procedure

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- Step 1** Open your Web browser (for example, Microsoft® Internet Explorer).
- Step 2** Enter the IP address of the encoder in the address field using the following format: **http://ip-address**, where ip-address is the IP address of your encoder.
- Step 3** Press **Enter**.
- The live video is displayed in your web browser.
- Step 4** If this is your first time installing the CIV-SENC-4P or CIV-SENC-8P encoder, a dialog box may be displayed asking you to install required plug-ins. Follow the instructions onscreen to install the required plug-ins on your computer.

**Note**

The following guidelines should be observed:

- By default, the encoder is not password-protected. To prevent unauthorized access, it is highly recommended that you set a password for the encoder. For more information about how to enable password protection, see the [“Security Window” section on page 5-3](#).
 - If you see a dialog box indicating that your security settings prohibit running ActiveX® Controls, you must enable the ActiveX® Controls for your browser. For information about enabling ActiveX® Controls, see the user documentation for your computer.
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Accessing the Encoder Using an RTSP Player

You can use one of the following RTSP players to view MPEG-4 streaming media:

- Quick Time Player
- Real Player

To access the encoder using an RTSP player, perform the following procedure:

Procedure

- Step 1** Open the RTSP player.
- Step 2** Choose **File > Open URL**.
A URL dialog box is displayed.
- Step 3** Enter the address in the following format: **rtsp://ip-address:rtsp-port/stream-name**
where *ip-address* is the IP address of the encoder (for more information, see the [“Determining the Encoder IP Address”](#) section on page 2-1), and *stream-name* is the RTSP streaming access name for stream1 or stream2.
As most ISPs and players only allow RTSP streaming through port number 554, set the *rtsp-port* to 554.
For more information, see the [“RTSP Streaming Settings”](#) section on page 5-13.
- Step 4** Click **OK**.
The live video displays in your player.
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