

TECHNICAL NOTE S001

Pelco Camera Setup with eyesite™ 110 , 140, and 550

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Introduction

This technical note describes how to set up an eyesite 140 for use with Pelco Spectra series cameras.

Refer also to the eyesite 110,140, or 550 User Guides

The Pelco Spectra series camera uses the RS-422 serial standard for all command and control functions to the camera.

The eyesite 140 has two RS-232 ports configured as a DCE interface on a 9 pin DBF style connector.

You will need to use an RS-232 to RS-422 converter in order to complete the connection. There are many available from sources such as Black Box Corp. One example is the Black Box IC631A-M unit.

(Note, the eyesite 550 has an integral RS-422 interface so no external conversion device is necessary)

Note: The IC631A converter is also DCE, and therefore, a Null Modem adapter is needed between the eyesite 140 and the interface converter.

This interface converter is powered by the RS-232 signals from the host, so when used with the eyesite 140, **PORT #1** must be used. Other interface converters may be able to be used with either **PORT #1** or **PORT #2**.

Configuring the eyesite 140

The eyesite 140 can drive up to six Pelco cameras at one time. Each camera must be set for "D" protocol, and should use an address from 1 to 6. A camera with address 1 should be plugged into video input 1 on the eyesite 140, address 2 into input 2, and so on. You need to change the settings in the Data Options menu on the eyesite 140 for the Pelco camera drivers to work:

1. Press the **MENU** key on the remote control to access the Setup Menu.
2. Press the number **6** key to access the Data Options.
3. Use the number keys to select an option in the list. Then use the Right or Left arrow keys to change the settings.

The Data Options should be set as follows:

Aux Port 1	EXT CAM1
Protocol	PELCO
Alarm Status	ENABLE or DISABLE

Set if the camera alarm inputs are to be used with the Auto Dialer feature of the system. After power up, or after configuration, the system will auto detect the Pelco cameras at their respective addresses. Not all inputs must be tied to Pelco cameras if the driver is

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selected. For example, video 1,2,3 could be attached to Pelco cameras at address 1,2,3 and inputs 4,5, 6 could be attached to fixed camera sources.

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Preview Mode

From the Setup Menu select the Camera Video Setup Menu and select **1** for Preview/Set Preset.

To set a preset for a particular camera, press the number on the remote for the particular video input, and then adjust the PTZ control until the image is as desired. Then press **PRESET**, **PRESET**, and a number between **1** and **9** to set the preset for that particular camera.

To recall a preset, press the **PRESET** key on the remote control and the number of the preset, you wish to view for that camera (between **1** and **9**).

In-Call Control

During a call, the Pelco driver works the same as with other camera drivers.

When in **NEAR END** control mode, press a number between **1** and **6** to select the active video input. If a camera is connected to that input, the PTZ controls may be used to adjust the image of the camera. A preset may be recalled for a particular camera by selecting that camera and then pressing **PRESET** and a number between **1** and **9**.

When in **FAR END** control mode, press a number between **1** and **6** to select the active video input. If a camera is connected to that input, the PTZ controls may be used to adjust the image of the camera.

A preset may be recalled for a particular camera by selecting that camera and then pressing **PRESET** and a number between **1** and **9**.

Assistance with Pelco Camera Drivers

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