Tech Tip 090034

Setting up a Pelco Sarix Camera

Tech Tip Number:	090034
Date:	December 28, 2009
Product Affected:	Vigil Server version 6.00 and higher
Purpose:	This tech tip provides instructions on how to set up a Pelco Sarix IP camera on a Vigil Server system.

Table of Contents

1 BASIC HARDWARE CONFIGURATION LAYOUT 2

2 SETTING UP THE PELCO DEVICE UTILITY 2

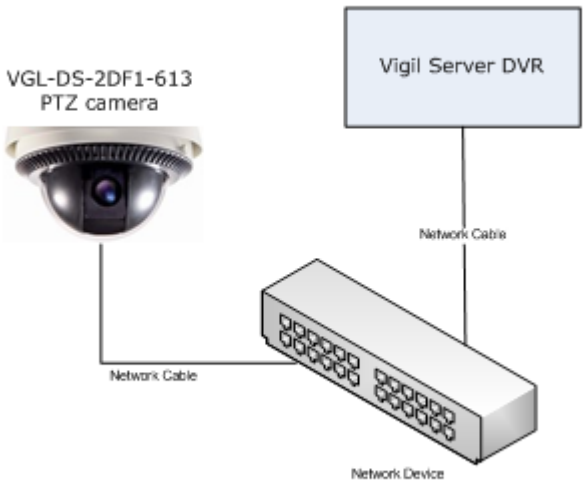
3 WEB SETTINGS CONFIGURATION - SETTING UP A NEW PELCO SARIX IP CAMERA 3

4 VIGIL SERVER CONFIGURATION 5

5 CONTACT INFORMATION 6

1 Basic Hardware Configuration Layout

The Pelco Sarix IP Camera communicates with the Vigil Server DVR over the network. Please note that in order to avoid unnecessary network traffic, connect the Vigil Server DVR and the IP Cameras to the same network device.



2 Installing the Camera

1. Cut a hole into the ceiling.
2. Set the back box in place and secure the unit by tightening the screws with a Philips screwdriver.
3. Position the camera. Point it in the direction you want.
4. Snap on the bubble. The bubble is secure when you hear the snap. Make sure the liner is not in front of the lens.
5. Lock it down by locking the 2 tabs on either side of the box.

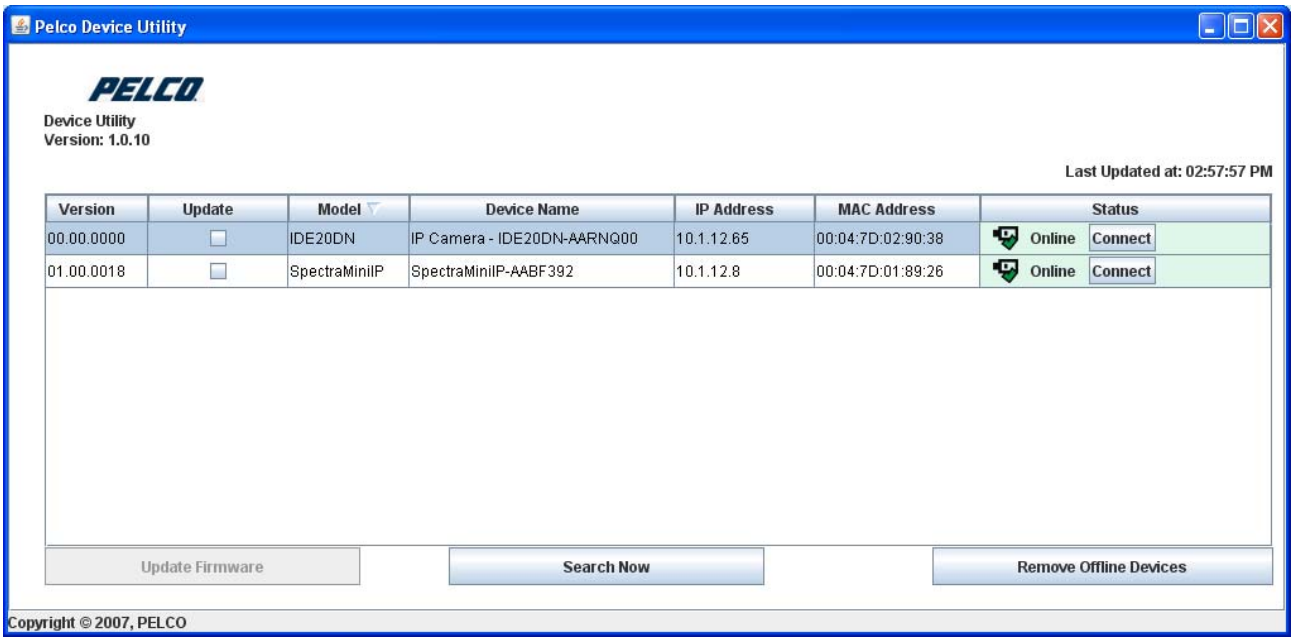
3 Setting up the Pelco Device Utility

This section will help setup the Pelco Device Utility that will scan your network for Pelco cameras and allow quick access to the camera web settings.

1. Obtain *Pelco IP utility.exe* from your vendor and double-click the file to begin installing the utility. Click Next > choose an installation destination > click Next > choose where you would like to install shortcuts (i.e. product icons) > click Next > Next > Install > Done.

   Note: Java software is required to run this installation. To download the latest Java software, please visit http://www.java.com. If Java is not installed, an error message will be displayed during the *Pelco IP Utility* installation.

2. To open the Pelco Device Utility, click ***Start*** and select ***All Programs***, ***Pelco***, ***Device Utility***, and click ***PelcoDeviceUtility***.

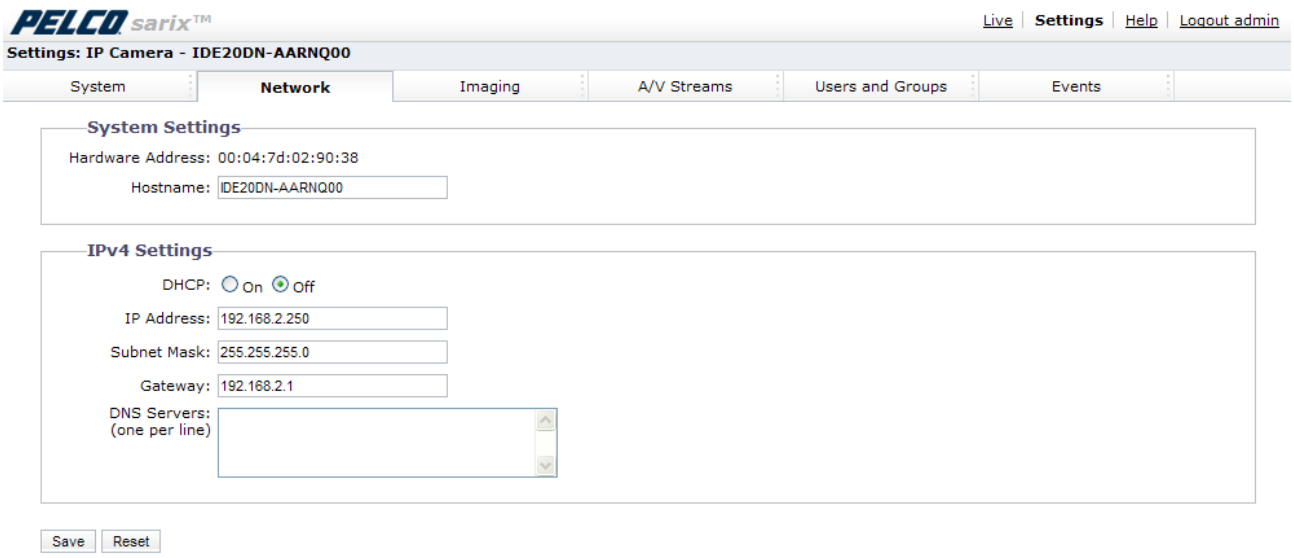


3. Click ***Search Now*** to scan for Pelco cameras on your network. If the Pelco Sarix camera is listed, make note of the IP address. If the camera is not listed, then check the hardware configuration and repeat steps 2 and 3 of this section. The Pelco Sarix camera should look similar to the camera that is selected in the above image.

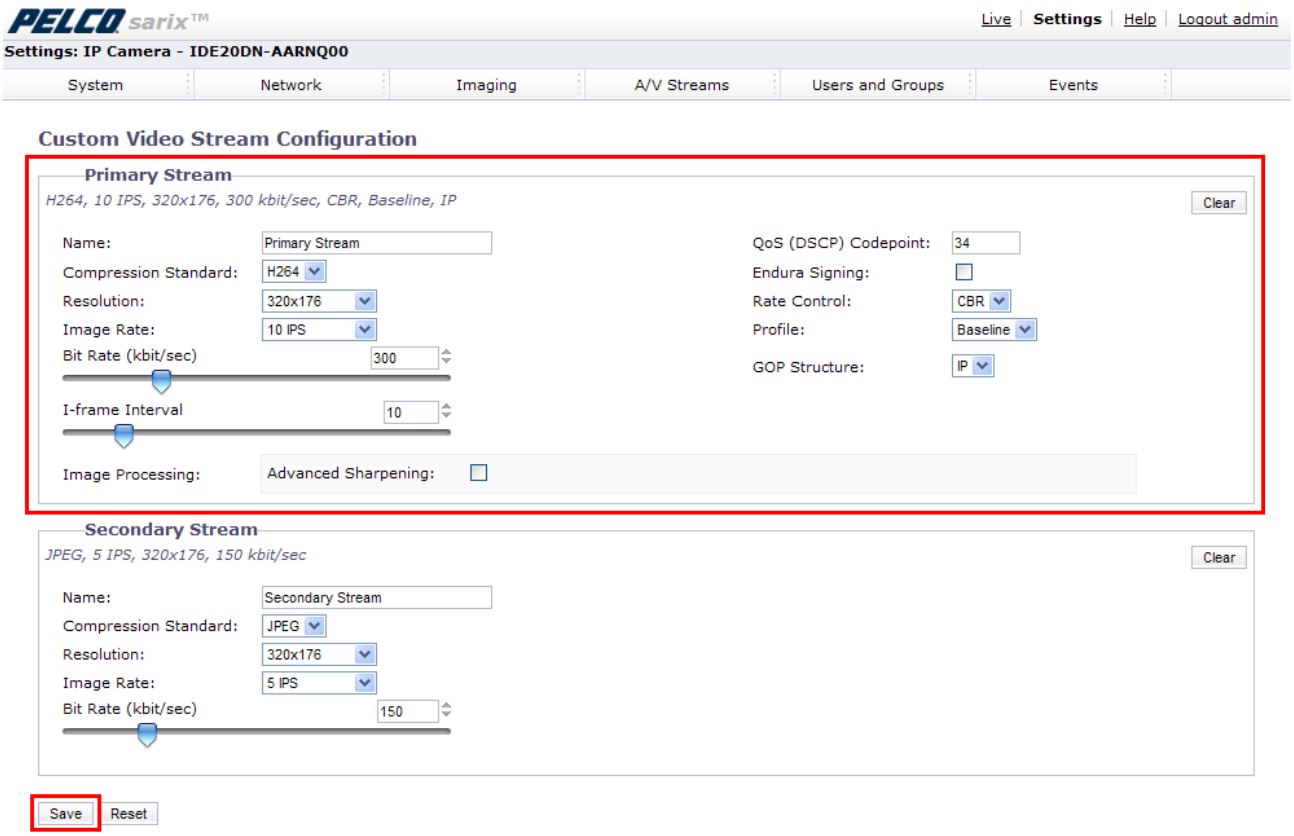
4 Web Settings Configuration - Setting up a new Pelco Sarix IP Camera

This section will help setup the camera settings through the internet to ensure that the Pelco Sarix camera will work with Vigil Server.

1. In the Pelco Device Utility select the Pelco Sarix camera you wish to configure and click ***Connect*** to open the camera web settings.
2. Click ***Login***. At the login prompt, enter “admin” for the user name and password.
3. Click ***Settings***.
4. Click ***Network*** and then click ***General***.
5. Enter the IP Address, Subnet Mask and Gateway to be used for this camera.



6. Click ***A/V Streams*** and then click ***Video Configuration***.
7. For best performance and data storage when using this camera for the purpose of ***Vigil Server Analytics***, configure the settings as displayed in the following sample image and then click the ***Save*** button at the bottom of the window.
   *Note: The **Bit Rate** must be increased from the default values when using a high* Image Rate. *For 320x176 resolution at 10 IPS, please set the* Bit Rate *to 300. For 320x176 resolution at 30 IPS, please set the* Bit Rate *to 500.*



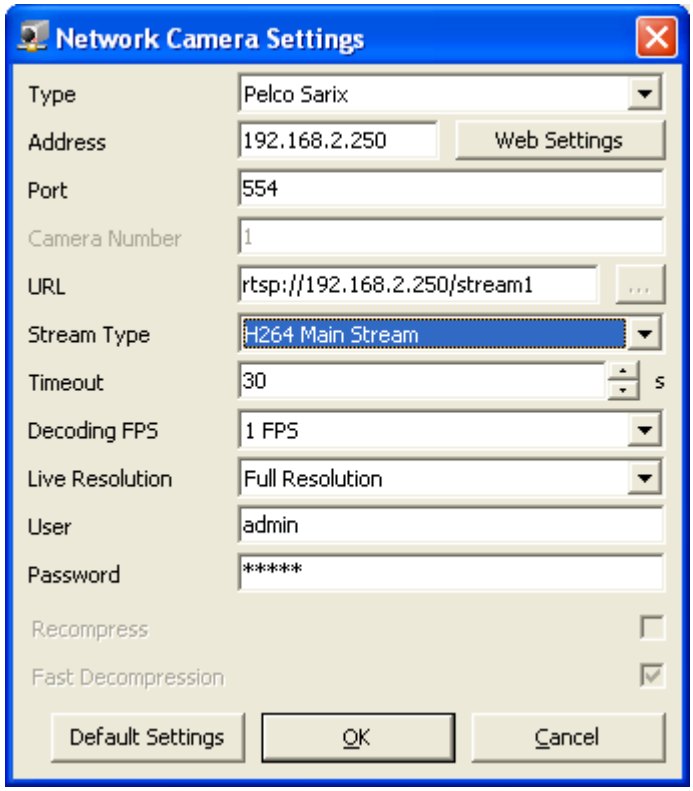
5 Vigil Server Configuration

1. In **Vigil Server**, click on ***Settings*** and then select an available camera input on the left.
2. Enable the ***Network Camera*** checkbox on the right, select the desired FPS from the dropdown list and click OK.
3. The *Network Camera Settings* window will display. Enter the following settings:

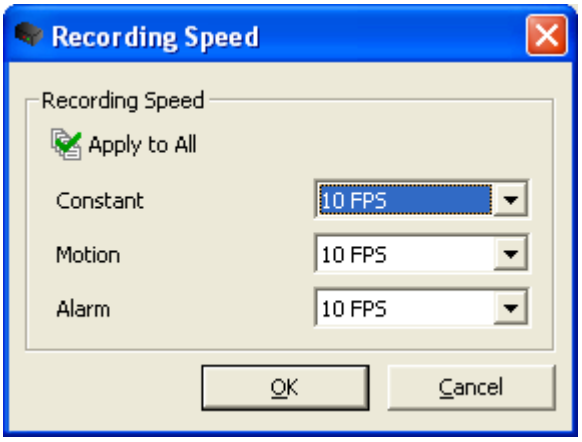
***Type*: Pelco Sarix**

Address: Enter the address of the IP Camera as configured in the above Web Setting Configuration steps.

Stream Type: Select a stream type to use. **H264 Main Stream** is the default stream type.



4. Click **OK** on the *Network Camera Settings* window
5. In the Recording section, click ***Set Speeds*** and change Constant, Motion and Alarm speeds to ***10 fps***.



6. Click **OK** on the *Recording Speed* window.
7. Click **OK** on the *DVR Settings* window.

If you have any questions or if you would like assistance with any of these steps, please contact 3xLogic Technical Support at 1-877-3XLOGIC

6 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLogic Technical Support:
Toll Free (North America): 1-877-3XLOGIC (1-877-395-6442)
Email: support@3xlogic.com
Online: www.3xlogic.com