

3xLOGIC

Tech Tip 090001

Arecont Panoramic Camera Setup

Tech Tip No.:	090001
Product Affected:	Vigil Server version 6.00 and higher
Date:	April 20, 2009
Description:	Arecont Panoramic Camera Setup

Automatic Camera Detection

On every Vigil Server DVR, there are automatic camera detection tools. Browse to the folder **C:\Program Files\Vigil\IP Utilities** and run the software **Arecont IP Utility**. Running this software will automatically detect the Arecont Cameras available on the network and display the IP addresses in a list. Once you know the camera IP Address, the camera settings can be configured using the web interface.



Warning: The Arecont Panoramic cameras include a small CD labeled "Surveillance Software". Do not install this software. Please use the software in the folder **C:\Program Files\Vigil\IP Utilities**. Running the Arecont Surveillance Software on the CD will automatically change the camera settings for every Arecont camera on the network.



Important: Do not use *Flip* option in the web interface. When the Arecont Panoramic camera web interface is opened, there is a link on the leftmost image with the text *Flip*. If the *Flip* link has been clicked, please cycle the camera power before configuring the settings. To power cycle the camera, unplug the camera power for a minimum of 30 seconds.

Camera Picture Setup

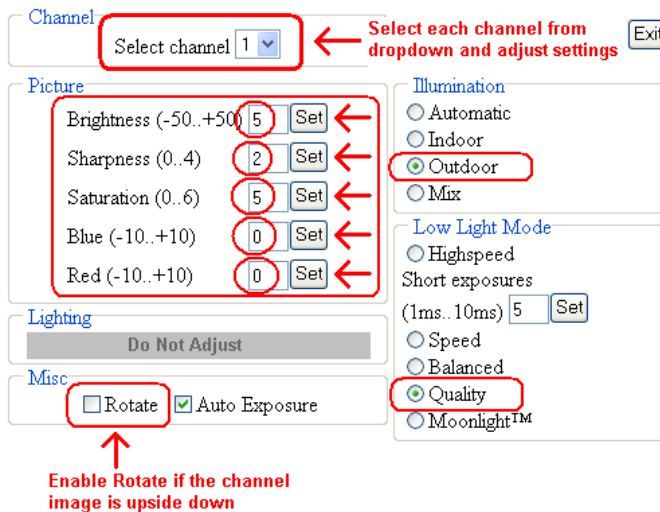
Please apply the settings below when first setting up the camera.

Access the web interface of the IP camera using a web browser and click on the Settings tab.



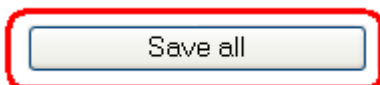
The settings below must be changed for EACH channel. Select Channel 1 and adjust the settings as in the image below. In the Picture Settings section, click the corresponding Set button after changing each setting.

Change the settings to the following:

A screenshot of the camera's web interface showing the 'Picture' settings section. The 'Channel' dropdown is set to '1'. The 'Picture' section includes: Brightness (-50..+50) set to 5; Sharpness (0..4) set to 2; Saturation (0..6) set to 5; Blue (-10..+10) set to 0; Red (-10..+10) set to 0. The 'Illumination' section has 'Outdoor' selected. The 'Low Light Mode' section has 'Quality' selected. The 'Lighting' section is set to 'Do Not Adjust'. The 'Misc' section has 'Rotate' unchecked and 'Auto Exposure' checked. Red arrows and text annotations point to the 'Channel' dropdown, the 'Set' buttons for each picture setting, the 'Outdoor' and 'Quality' radio buttons, and the 'Rotate' checkbox. The text 'Enable Rotate if the channel image is upside down' is located below the 'Rotate' checkbox.

If the image for the selected channel is displayed upside down, enable *Rotate*.

Repeat the above settings adjustments for Channels 1, 2, 3 and 4. Click **Exit** and then in the **System** tab, click **Save All**.



Click **Exit** and then close the web browser.

Configure Vigil Server Settings and Configure Sensor Placement

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
3. In the **Set Speeds** window, select **1 FPS** from the dropdown lists for Constant, Motion and Alarm, and click **OK**
4. In the **Network Camera** section, click the **Settings** button and enter the following settings:

Type: Arecont


Address: Enter the address of the IP Camera

Stream Type:
JPEG-AV8180/8360

The screenshot shows the 'Network Camera Settings' dialog box. The fields are as follows:

Type	Arecont
Address	12.34.56.78
Port	80
Camera Number	1
URL	/image?res=full&x0=0&y0=0&x1=
Stream Type	JPEG-AV8180/8360
Timeout	30 s
Decoding FPS	1 FPS
Live Resolution	Full Resolution
User	
Password	
Recompress	<input type="checkbox"/>
Fast Decompression	<input checked="" type="checkbox"/>

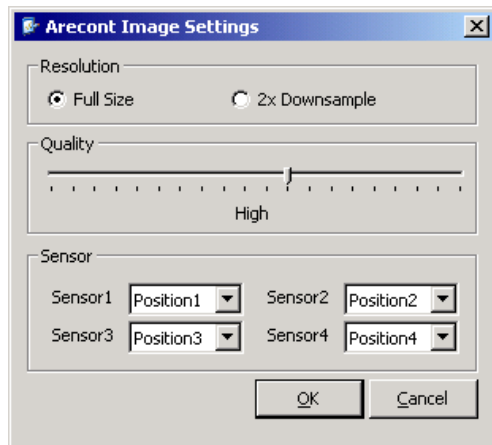
Buttons: Default Settings, OK, Cancel

5. Click **OK** on the *Network Camera Settings* window
6. Click **OK** on the *DVR Settings* window
7. Ensure that the camera is displayed in the live viewer and take a moment to observe the camera. There should be four squares displayed but in the incorrect positions. Watch the picture until you get an idea of in what order the images should be.
8. Click on **Settings** again, select the Arecont camera in the left frame. In the **Network Camera** section, click **Settings**. Click on the blue bar at the top of the Network Camera Settings window and drag it to the left so that the entire camera preview image is visible.
9. Click the  button beside the **URL**
10. The Sensors and positions are more easily arranged correctly when they begin in the order 1, 2, 3, 4. If the sensor positions have been changed and the image is still scrambled, please change the sensor positions back to 1, 2, 3, 4 and then apply the Vigil Server settings before beginning the following steps. If the image is not scrambled, then the following steps are not necessary.
11. Select the positions where each sensor image should be displayed. See example below.

For a complete listing of Service Bulletins, please go to <http://www.3xlogic.com>

Example 1: Configuring Arecont Panoramic Camera Sensor Positions

Initial appearance – before any settings are changed, the position numbers in the settings should match the sensor numbers.



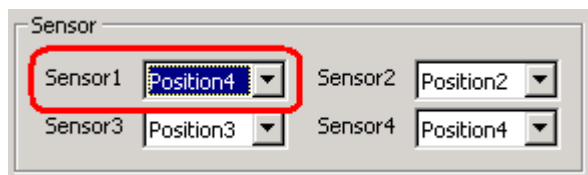
Before Sensor Position Changes:



After Sensor Position changes:



Sensor 1: Select the correct position for Sensor 1

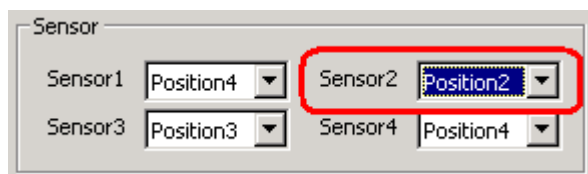


Sensor 1 is currently in Position 1



Sensor 1 should be in Position 4

Sensor 2: Select the correct position for Sensor 2

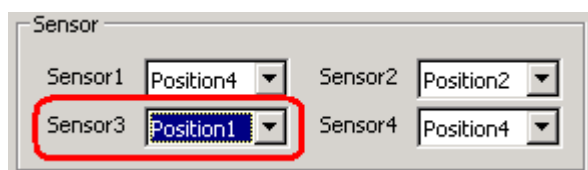


Sensor 2 is currently in Position 2



**Sensor 2 is in the correct position
no position change is necessary**

Sensor 3: Select the correct position for Sensor 3

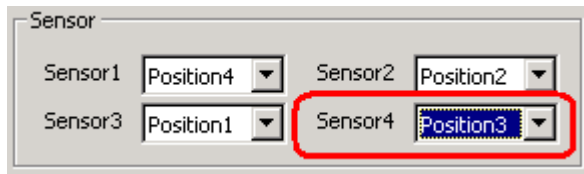


Sensor 3 is currently in Position 3



Sensor 3 should be in Position 1

Sensor 4: Select the correct position for Sensor 4



Sensor

Sensor1	Position4	Sensor2	Position2
Sensor3	Position1	Sensor4	Position3

Sensor 4 is currently in Position 4



Sensor 4 should be in Position 3

12. Click OK in the Arecont Image Settings window
13. Click OK in the Network Settings window
14. Click OK in the DVR Settings window
15. The Arecont IP Camera should now display the images in the correct order and they should not be scrambled. Observe the live video to ensure that the sensors are displayed in the correct order. If the images are still scrambled, go back to step 10.
16. Go to the Search screen and ensure that search and playback functions correctly for the Arecont Network Camera

Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLogic Technical Support:
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