

IP Camera Quick Start Guide

Please read all documentation and familiarize yourself with the equipment before attempting to use it. This will allow you to quickly install and program the equipment, and prevent costly damage.

Step 1. Powering the camera:

This camera is powered by POE or 12VDC only; you must not connect both power sources at the same time!

Step 2. Accessing the camera:

The camera has a default IP of 192.168.0.120, which is accessible in the absence of a DHCP server. If you place the camera on an active network, it will obtain an IP address within the scope of the DHCP server. There is a software search tool that can locate cameras on an active network; this will be explained in detail later. The default USER NAME is: **admin** and the default PASSWORD is: **admin** (Please use Internet Explorer Only). You must reduce the security level of the browser to enable downloading and running of the ActiveX Controls. Pop-up blockers must also be disabled.

Step 3. Configuring the camera:

Once you access the camera you can change all settings through its webpage. The NETWORK SETTINGS, IP ADDRESS, along with the DATE & TIME, are all set through the left panel menu selection **DEVICE CONFIGURE**.

The analog video spot out setting is controlled by right clicking on the camera video, displayed after selecting: **LIVE VIDEO** in the left side menu. Select: **SENSOR CONFIG** and then click the **CVBS OUT** tab, you can then use the pull down tab to **OPEN** (enable) or **CLOSE** (disable) the spot output. You must select save to change the setting; this is required after all menu configuration changes.

**** Installer Tip:** If you are using the webpage video to focus the camera, use the pull down menu for **STREAM** and select **STREAM2**, this will display changes to the camera's focus faster because the image size is smaller and uses less CPU power.

STREAM QUALITY & FRAME RATE Considerations:

This high quality camera is capable of producing Megapixel images with a very high data rate. If you find the video appears to significantly lag behind real time, you can adjust the weight of the data being sent by a number of different settings. The Frame Rate, Resolution and Bit Rates can be adjusted. You may also consider using a more powerful computer capable of decoding the data stream and rendering the video faster.

Step 4. Using the Search Tool:

The search tool will allow you to find all cameras connected on the network for the IP range entered. The search port is 30001 by default and should not be changed. You must specify the **IP BEGIN** & **IP END** with correct IP addresses of the network they are connected to. Once you properly enter the IP range, select the **ADD** button, then select **SEARCH START**. The **DEVICE ID** of cameras found with the search tool will be displayed in the **SEARCH RESULT** box; this is displayed to aid in identifying the camera to the IP address.

To use the search tool, you MUST also adjust the IP address of PC the running the search tool to be in the search range entered. Do not use an IP address that is currently in use and assigned to another device, this will cause an IP conflict. If the MAC address of the camera is needed, first connect to the webpage of the camera with Internet Explorer. Then run a Command Prompt by typing CMD into the run or search box on the Windows Start button. Once the Command Prompt appears in the DOS box, type " arp -a xxx.xxx.xxx.xxx ". Do not type the "Quotes", and replace the xxx with the IP Address of the camera you need the MAC address of.

Alternatively if you are more network savvy, you can use Wireshark network protocol analyzer, found here: <http://www.wireshark.org>

Step 5. Manuals & Search Tool Location: http://downloads.usaginc.com/onvif_ip