

**XX220-01-00**

## Web Viewer

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# ViconNet Web Viewer User Manual

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## General

This manual provides information for using the ViconNet Web Viewer (Client). Read this manual through completely before attempting to use the Web Viewer.

With the ViconNet® Web Viewer, a user has the convenience of accessing the ViconNet Video Management System over LAN, WAN or the Internet, from any approved browser (refer to Web Viewer datasheet); there is even support for mobile device browsers. It allows remote clients to view live video streams and get playback of recorded cameras and microphones over the network.

The ViconNet Web application enables the use of cameras and microphones that are using the same ViconNet Nucleus site as the Web Viewer server. The user can select up to 16 cameras for live display, control PTZ cameras and receive alarm notifications, as well as playback recorded video and audio from select times or various storage locations (refer to the list of playback limitations in the Playback section of this manual). Additionally, the display mode can be selected (from single to 16-camera view, including full screen), the aspect ratio correction (4:3 or 16:9) can be enabled or disabled and there is the ability to write to a log file for support purposes.

## ViconNet Setup

Before the Web Viewer can be used, a Web Server must be setup. There are two options for the server deployment, either run it on the system Nucleus (assumes a dedicated Nucleus PC and up to 10 concurrent web viewers) or on its own dedicated server as a full service. Refer to the manual XX220-1X on how to configure the Web Server.

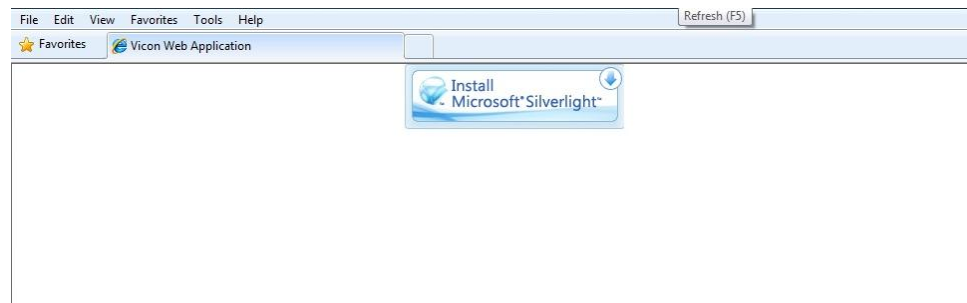
Note that activating the Web Server will impact on certain performance criteria; the Web Viewer requires more CPU resources for video display compared to ViconNet for the same operation. Additionally, the Web Viewer and ViconNet application cannot be activated simultaneously on the same system.

Note that the ViconNet Web Viewer requires Microsoft® Silverlight® to run. If Silverlight is not installed, the application will prompt the user to install it on the first attempt to browse to the server.

## Connection and Login

Browse to the IP address or DNS name of the system running the Web Server, whether it is the system's Nucleus or a dedicated Web Server. There is no need to browse to the NVRs or cameras separately.

If Silverlight has not been installed, the following message will display.



Click to install Silverlight and follow the on-screen prompts; this is required to use the Web Viewer.

Once connection with the Web Viewer has been established, the login prompt will display.

 A dark-themed login window titled "Vicon Web Application - Login". It features the Vicon logo (a stylized asterisk) in the top left. Below the title are two input fields: "User Name:" with the text "admin" and "Password:". There are two checkboxes: "Remember me" (checked) and "Login automatically" (unchecked). At the bottom are two buttons: "Login" and "Guest".

The user can login as a guest or as a user that exists in the Nucleus. There is the option to have the Viewer remember the user name and to have the Viewer log in automatically using the entered user and password; check the boxes as needed. To change users, first click Logout from the top right of the screen and login again.



If a user tries to perform an unauthorized action, the **Request Failed** error will display.

Click the Login button. The Web Viewer Main screen will display.

## Main Screen

The Web Viewer Main screen provides all the tools needed to work with the ViconNet system.



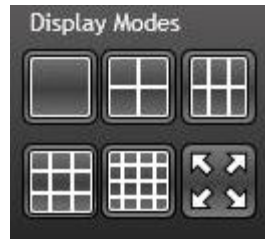
## Languages

The Web Viewer offers a selection of languages that the Web Viewer can display. Click the Settings tab in the top right; a list of languages displays. Select the language of your choice. The screen will automatically be translated.



## Display Modes

The Main screen can display video in a choice of display modes: single, quad (2x2), six (3x2), nine (3x3), sixteen (4x4) and full screen. If full screen is selected, press the Esc key to return to the Web Viewer Main screen.



Single, Quad, Six

Nine, Sixteen, Full Screen

## Live Video and Audio

### Devices Tab

Click the Device tab on the upper left to view the list of devices that can be accessed. The content of the list depends on the Nucleus that the Web Viewer server is connected to; the quality of the video is dependent on how it is setup on the Nucleus or primary site.



Click the site to open the list of cameras associated with it. To view live video or listen to audio, select the camera or microphone from the Device list. Click on the device and drag the icon to the location on the screen for display. As an alternative, click on the desired rectangle to mark it with a pink frame and then click on the camera to open it in that rectangle. To stop the video display, hover over the video and click the Stop tab; use the Stop button at the bottom of the screen to stop all video displays.





The currently selected camera's video is outlined in pink.

**Notes:** 1. MPEG-4 video from any IP camera will not be displayed; attempting to activate this type of camera will produce an error message.

2. In order to produce a smooth stream, there may be a few second delay in displaying H.264 video streams, depending on the network.

### Groups Tab

Click the Groups tab on the upper left to view the list of groups that can be accessed. These are the groups that have been set up on the Nucleus that the Web Viewer server is connected to.



Click the group to open the list of cameras associated with it. To view live video or listen to audio, select the camera or microphone from the Group list. Click on the device and drag the icon to the location on the screen for display. As an alternative, click on the desired rectangle to mark it with a pink frame and then click on the camera to open it in that rectangle. To stop the video display, hover over the video and click the Stop tab; use the Stop button at the bottom of the screen to stop all video displays.



## PTZ Controls

If the camera selected for display is a PTZ, those controls become available at the bottom of the screen.



Use the arrows to pan and tilt in that direction; use + and – to zoom in and out. An Auto Pan button is provided to enable the camera to automatically rotate around 360° while displaying the video; a speed control bar is provided to increase speed (+) or decrease speed (–). A Lens Speed button is also provided.

Using the Preset button offers 99 presets. Position the camera as required and press Set Preset; the button turns red and the preset is stored. Once set, this preset can be selected to move the camera dome to the set position.

The Iris button provides the option to Open Iris (more light), Close Iris (less light) or engage Auto Iris (automatically adjust light level). The Aux button offers six auxiliary functions for configuring internal PTZ settings. Focus Near and Focus Far are provided from the Focus button.

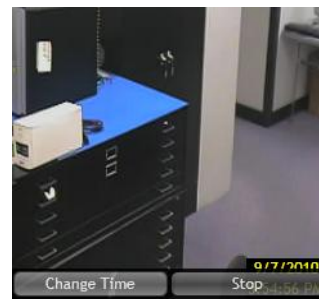
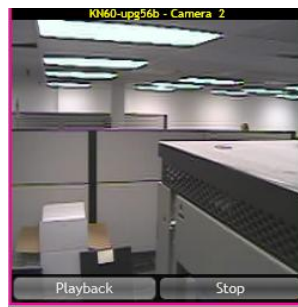
## Playback

The option to play back recorded video is accessed through a tab that displays under the live video display; hover over the video and click the Playback tab. Clicking Playback provides a number of playback options that display at the bottom of the screen. The playback video is displayed in the rectangle next to the live video. The tabs of the video become Change Time or Stop.



Playback video from Live display

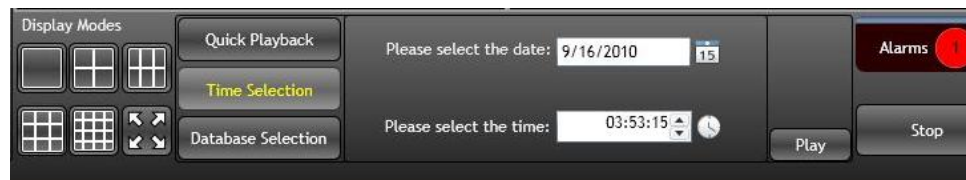
Change Time selection of Playback video



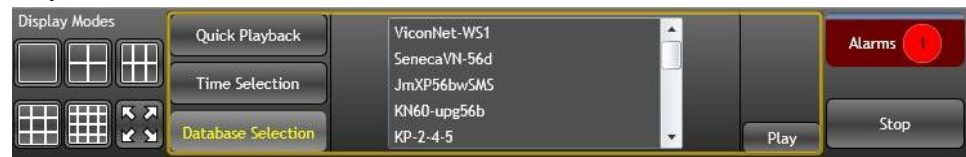
The default option is Quick Playback; there are several playback time options to select, from 10 seconds back to 60 minutes back. Additionally, a specific Time Selection for playback can be chosen, as well as selecting video from a specific storage source (Database Selection) that will allow playback of any supported device (refer to Playback Limitations list).

**Note: Playback Limitations:**

- As in ViconNet, Quick Playback is only available for Kollector® DVRs and ViconNet-based IP devices and is not supported for I-Onyx® 9xx or 3<sup>rd</sup> party cameras at this time. These other devices must select a database to play back from.
- No playback of megapixel images 2 megapixel (1920 x 1080) and up.
- For audio playback, there must first be a camera in playback (there is no way to playback just audio); then select the desired microphone from the list and drag and drop it onto the video to be played back.
- Video and audio are not synchronized during playback.



For Time Selection, use the calendar next to the date and the clock next to the time to select the time and date to playback video from. Then click the Play button.



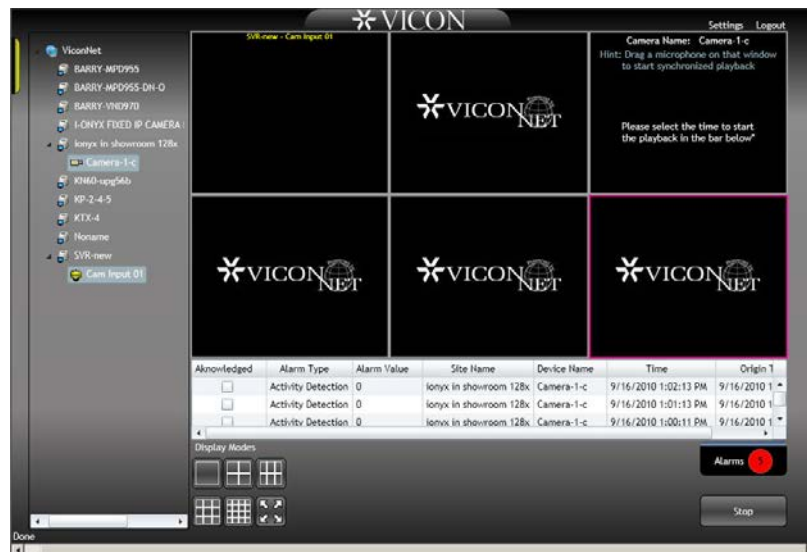
For Database Selection, select the storage location (the unit whose database is to be played back from) from the list and click Play. The recorded video will display.



When the playback video is selected, the Fast Forward and Rewind bar displays at the bottom of the screen. Use this to Pause the video, rewind at a selected speed or fast forward at a selected speed.

## Alarms

The Web Viewer notifies the user of alarms that were received by the system running the Web Server. A number in the Alarms button indicates the number of new alarms. Clicking the Alarm button opens the alarm list, with details, at the bottom of the screen. There is an option to acknowledge alarms from this list. Clicking the Alarm button again will close the alarm list.



Note: If it is required that alarms be seen by the web viewers, they must be sent to the Web Server so it will publish them to the viewers (all viewers will get the alarms).

## Writing to Log File

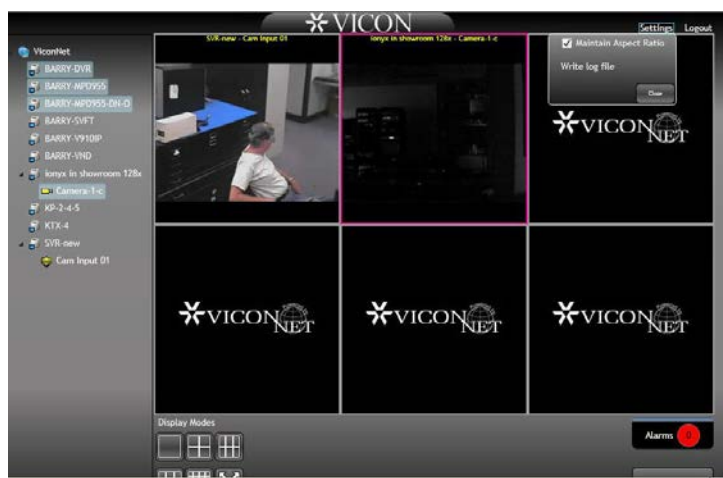
The option to create/write into a log file is activated from the Settings menu.



Clicking Write log file opens the screen to save the log file with a user selected name. This option should only be used for debugging if instructed to do so by Vicon Technical support. Click the Close button to close the Settings box.

## Aspect Ratio

From the Settings menu, there is the option to maintain (or not maintain) the aspect ratio of the displayed video. This option is used because the Web Viewer supports a variety of video formats (4:3 as well as wide format 16:9) from various types of ViconNet and third party cameras. If maintaining the aspect ratio is **not** selected, the browser will fill the whole video rectangle instead of adding the appropriate black bars (letter box or pillar box bars). Note that MPEG-4 is not supported. Click the Close button to close the Settings box.



## Logout

To logout of the Web Viewer, click Logout in the top right corner of the Main screen.



**Vicon Industries Inc.**

For office locations, visit the website:

**[www.vicon-security.com](http://www.vicon-security.com)**

