

INET VIEWER OPERATIONS GUIDE





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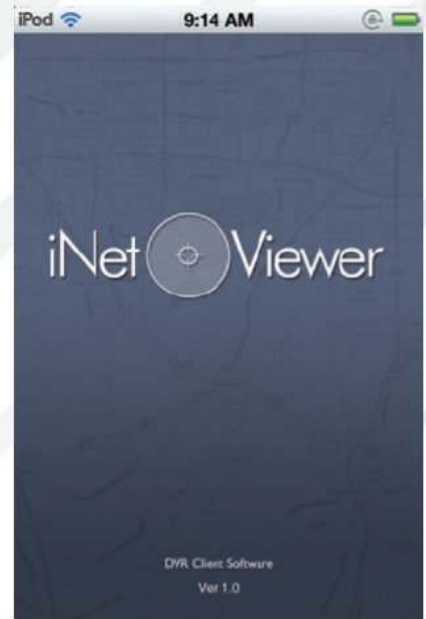
INTRODUCTION

The Eagle Eye DVR iNet Viewer is an iOS compatible (iPhone/iPod Touch/iPad only) application. The App can be downloaded (free of charge) from the iTunes store: simply initiate a search for "iNet Viewer."

This App allows users with a compliant DVR (using Eagle Eye DVR Server software 12.11.0 or better) to connect and access their DVR system via their mobile device.

The App has two basic modes: Live View, which allows the user to view single or multiple sites; and Search, which allows a user to playback remotely stored data.

At this time, the App cannot download or store video clips, although it can make still image 'screen captures' and store them on the mobile device.



CONNECTION SETTINGS

Setting Up the Site

Open the App for the first time will result in a "No Network" message; to set up an active site, select the Settings icon (gear in the upper right corner), and the Settings Menu will appear.

The Settings Menu has a number of options, controlling access to the App itself, how the views are displayed, and how connections are established.



Settings Icon

Login Access

The first section of the Settings Menu shows the Login access control. This allows a user to set a password to the iNet Viewer App itself.

If the Login option is set (slide the slider from OFF to ON), and a password is registered (alpha-numeric characters only), unauthorized users will not be able to view live sites, search or access any configuration options until the correct password is entered.



Login and Password setup

4 SETTINGS

Display Setup

The Display Setup controls what information is shown. To use, simply slide the toggle sliders to ON or OFF as needed.

Some users will find that not all information is required, or is practical when viewing multiple cameras at once.



Display Setup	
Site Name	ON
Camera Number	ON
Camera Name	OFF
Date & Time	OFF

Display Setup



Live View with Full Information

Site Connection Mode status

This block indicates the status of the App mode of connectivity: Single Site connection (only one site can be viewed at once, which may be more practical and yield smoother playback) or Multiple Site connection (see Page 5 for details), which shows selected cameras from multiple sites (this can be slower and requires some manual configuration). Click either to access the settings for this function.

However, before Single or Multiple sites can be viewed, sites need to be added and configured first.

Site List

Click the "Add Site" box to slide into the Site Entry (or Site Modify, if updating site information) dialog. Fill the entries with the appropriate information, then return to the main Settings area when done (or click the Delete button to remove an entry).

Site Name: a descriptive name for the site

Address: an IP address (LAN or WAN), or a 'name' URL such as one provided by a dynamic DNS service. Note: a web port value is NOT required, as this App does not access HTTP functions directly.

Channel: the number of cameras to be accessed. This can be less than the actual number of cameras in use at the DVR Server (i.e. if a DVR only uses the first 9 cameras out of 16, then enter 9 to improve general connectivity speeds).

Port: the default port is TCP 3000, but can be altered (if, for example, there are multiple DVRs on the same network).

User Name: a DVR Server authorized username.

Password: the appropriate password for the username.

Once completed, the new entry will appear in the Site List area.




Site Connection Mode	
Single	-Micro- On >
Multiple	Off >

Site Connection Mode status



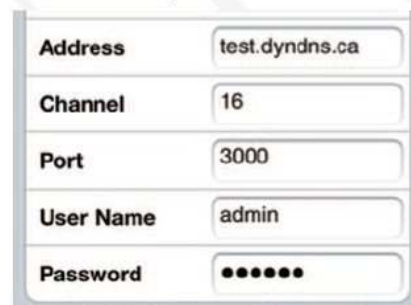
Site List	
Add Site	>
Internal	>
Gas Station	>
Gravel Pit	>
Micro	>

Site Listings



Site Modify	
Site Name	Internal
Address	192.168.0.60

An 'address' can be an IP address or from a dynamic DNS service



Address	test.dyndns.ca
Channel	16
Port	3000
User Name	admin
Password	••••••

Site Connection Mode

The Site Connection Mode allows the user to choose whether to view camera video one DVR site at a time (with all available cameras viewable in sequence) or to view camera video from multiple DVR sites simultaneously (but with only pre-selected cameras accessible).

Activating the Connection Mode is a matter of toggling the Single (or Multiple) mode sliders to ON or OFF.

Single Site Mode

To select a single site, ensure that a site has already been entered (see Page 4) in the Site List, then select from the slide out listing (click the desired entry to mark with a "✓"). When returning to the Live View, the App will automatically connect to the site.

Multiple Site Mode

To set up the Multiple Site Mode, each video feed position (as when viewing in Live Mode) comes from a designated camera on a selected site.

This means a Live View can show cameras from multiple cameras at multiple locations at once, or combinations (three cameras from one site, two from another, and one camera from yet a third site, etc.).

Up to a maximum of six (6) cameras/sites can be viewed at one time (in Single Site Mode, up to 12 cameras can be viewed at once).

Select Multi-view Site

To configure the Multi-view Mode, for each video feed position (to a maximum of 32 positions), select a particular site and camera.

Camera numbers must be entered manually - the menu does not provide a list of active cameras, so it is advisable to note which cameras are required before setting up the Multi-View Mode.



Site Connection Mode toggles



Site Connection Mode Site Listing



Multi-view, showing camera views from six different DVR sites.



Multiple Site Position/Camera Listing



Multi-view Select Site and Camera Dialog

LIVE VIEW

Once the App has a site (or sites, if being used in Multi-view Mode) set up, it can be used in Live Mode. This streams video data feeds directly from the DVR Server to the mobile device. Depending on network connectivity (LAN, wi-fi speeds, Internet congestion, etc.) the response lag time and viewing frame rates can vary dramatically, or even interfere with the smooth operation of the App. In most cases, if there are network issues, or even application crashes, try restarting the App, or checking the local area network connectivity before considering more offbeat options.

Viewing Modes

The App has various viewing modes, allowing the user to view multiple cameras at one time. The default is Single Camera viewing.

Split Screens

To change the viewing mode, click the "View" button and select the desired option (1-view, 6-view, 12-view). The screen will show the viewing configuration, while any other cameras will be relegated to other "view pages" (note the dots under the camera views - this indicates the number of viewing pages). To view other pages, simply swipe/slide the images to the left or right.

Pan-Tilt-Zoom Controls

If the DVR Server has an active Pan-Tilt-Zoom (PTZ) camera, it can be controlled via the App. Simply select the camera view with PTZ camera (in Single View mode only), then click the PTZ icon.

A set of arrow overlays will appear, along with a Zoom In/Out icon. Click the arrows to move the PTZ camera as needed.

Use the Zoom In/Out icons to zoom the image (the PTZ camera should have auto-focus enabled).

Depending on the response speed of the network connection and the speed of the PTZ unit, how fast the arrows are tapped (or held) may have a great effect on the camera's movement.



Six-view Split Screen;
note the page dots above the Favorites icon.



Split Screen options



PTZ Controls activated

Favorites

To quickly switch sites while in Single Site mode, use the Favorites option and select from the listing.

To add to the Favorites listing, first use the Site List Setup (see page 4) to configure viable sites. Then connect to a site in Single Site mode. While connected in Live View, click the Favorites button, and then the 'Add Site' button to give the active site a name (it can be the same as in the Site List, or it can be something new). The new entry will be added to the Favorites list.

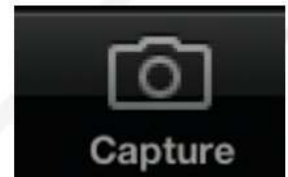


Add Favorites

Once a site is in the list, it can be accessed quickly and easily.

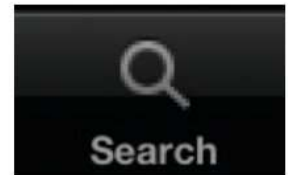
Capture

To capture still images (the App cannot download video clips), simply press the Capture button; still images (screenshots) will be saved in your iOS Photo Library.

**SEARCH MODE**

The App has the ability to Search archived data on the DVR Server. To begin, click the Search button to switch to the Search interface.

The Search interface consists of a date/time "wheel" and a selected site and camera. While multiple views can be played back at once, a starting point camera must be set first.

**Select Camera, Date/Time**

If the desired camera is already selected, set the date and time, and click "Done" to go to the playback window.

If the site or the camera is not correct, click the Selected Site box to select a different site and/or camera.

Sites can be selected from the Site List; camera numbers must be entered manually. Click the Calendar button to return to the previous page. If the camera is changed, the date and time start point may need to be re-set.



Date and Time Calendar



Select Site and Camera

8 SEARCH MODE

Search Controls

The Search Controls are similar to those found in the DVR Server Search application: Play, Frame Advance, Fast Play Forward (and the reverse equivalents).

Clicking the 'Menu' button will allow the user to select between Single View, Six-way View, and Twelve-way View (if there are less than 12 cameras available to view, place-holder images ["no camera"] will NOT be displayed). If there are other camera feeds not displayed, the 'page' icon will allow users to slide one image away and display the next.

Note that Search playback of multiple video feeds does not automatically resolve all camera views; a camera feed will only display images if there is data available. If no data is available, the default "No Camera" view will remain, or else the last viewed image will 'freeze' in place until new video data is encountered.

The Live View button returns the user to the Main Live Viewing window.

The Site entry button brings up the Site and Camera listing.



Single View with play controls



Search Menu options



Six-way View



Twelve-way View on a site with only 9 cameras