

Salient CompleteView NVR Viewer

by DComplex LLC

User Manual

This document has the latest documentation about the Salient CompleteView NVR Viewer, iPhone/iPad app by DComplex LLC, for monitoring Salient CompleteView Video Surveillance Management System.

Download Salient CompleteView NVR Viewer app from Apple App Store:
<http://itunes.apple.com/us/app/salient-completeview-nvr-viewer/id396671472>

Salient CompleteView NVR Viewer app is designed and developed by
DComplex LLC in New York, USA.

DComplex LLC is a software development company focusing
on professional iPhone and Mac video surveillance solutions.
dcomplex.com

Salient Systems is an acknowledged and trusted manufacturer of video
surveillance management systems (VMS).
salientsys.com

Table of Contents

How to Prepare Salient CompleteView	3
Activate Embedded Web Server	3
Add Necessary Permissions	4
Validate the Web Server on the PC	5
Validate the Web Server from iPhone/iPad	6
Protect Your Web Server	7
How to Use Salient CompleteView NVR Viewer	8
The First Launch	8
In-App Purchase	12
Providing Username and Password	13
Requesting the List of Cameras	13
Monitoring Live Video	14
The Full Screen Mode	14
Digital PTZ	15
Scrubbing Live Video	16
Monitoring Multiple Cameras	17
Changing Layout Template	17
Changing Camera Displaying Position	18
Taking a Screenshot or E-mailing Image	19
Adding Cameras Using On-screen Camera List	21
Playing Back Recorded Video	22
How to Display Recorded Video	22
Using Scrubbing and Frame Step Controls	23
Changing Time	24
Other Salient CompleteView NVR Viewer Features	25
E-mailing Technical Support	25

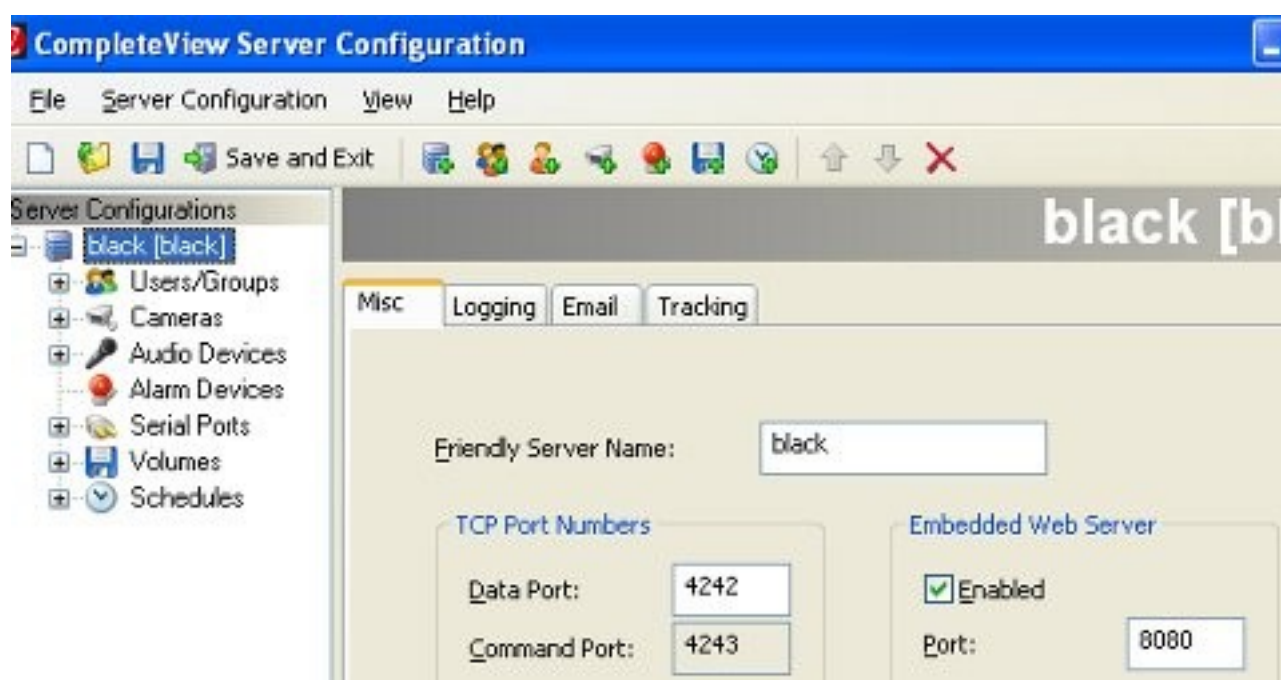
How to Prepare Salient CompleteView

Activate Embedded Web Server

Salient CompleteView includes a Web Server. In order to activate it, select the server configuration.

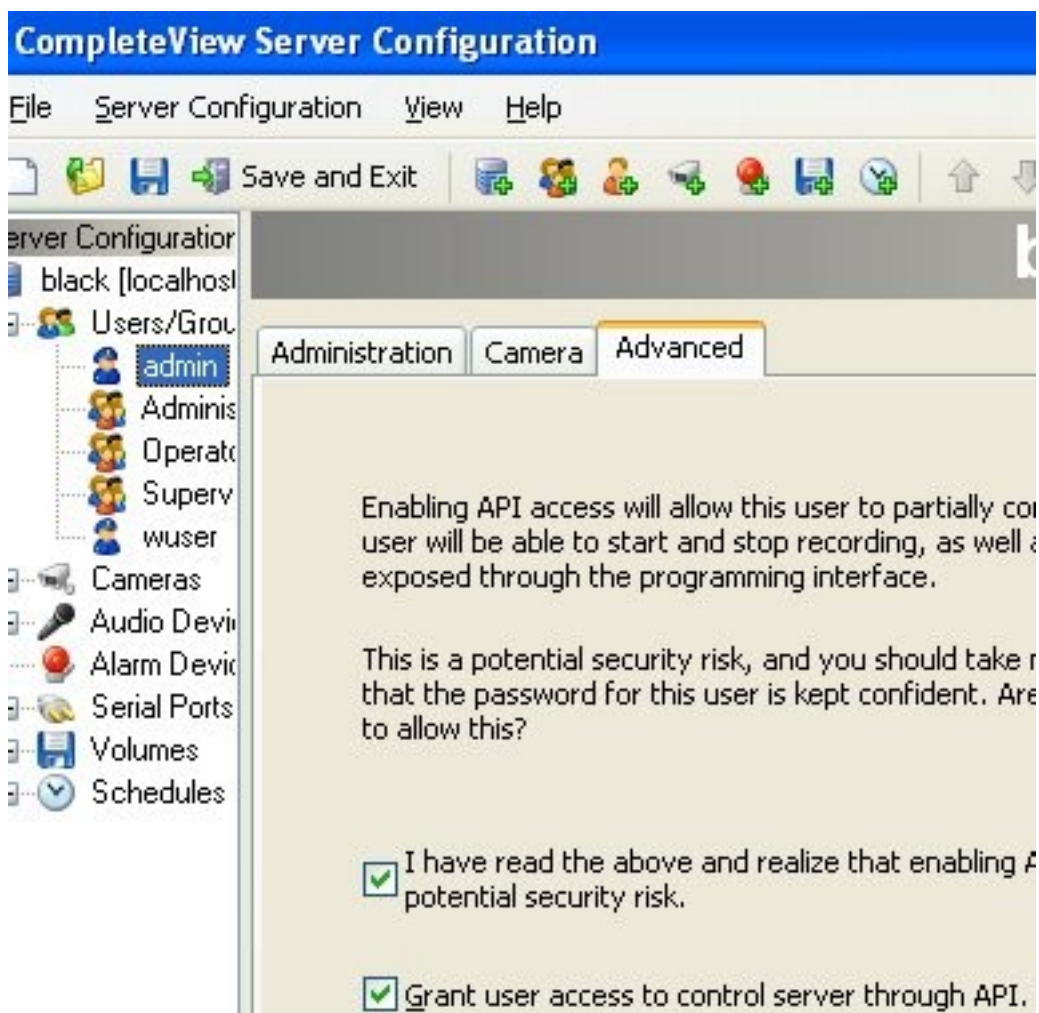
Make sure the section "Embedded Web Server" has item "Enabled" checked.

Adjust the port as needed. The app will need to know the port value.



Add Necessary Permissions

The user that will be used from the app must have the API permission of the Salient Server. Make sure that you have the following check boxes selected.

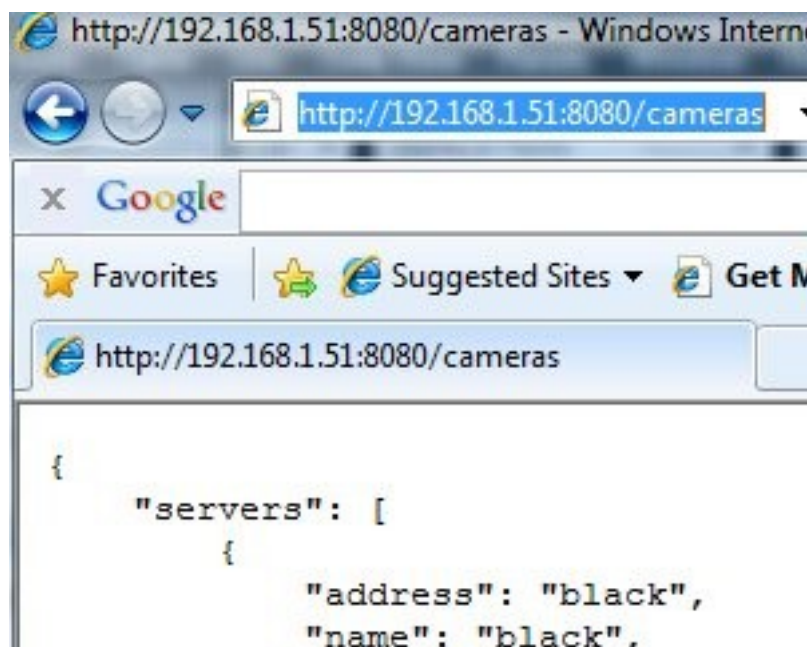


Validate the Web Server on the PC

Save the configuration. Once you have the Web Server setup and running, verify that you can connect to it from your PC.

For this, open the Web Browser and type the address of the Web Server PC, followed by the port. For example, to test it from the same PC, using the port value from the above screenshot, enter following into the Web Browser's address bar: <http://localhost:8080/cameras>.

If the Web Server is configured correctly, it will request username and password. Once you provide it, you will see similar web page:



Validate the Web Server from iPhone/iPad

Once you can access the Web Server from a PC, the next step is to access it from your iPhone/iPad. If the iPhone/iPad cannot access the Web Server, then the app will not work with it as well.

On your iPhone/iPad, open the Safari app and enter the address of the web server, followed by the port, for example:
<http://1.1.1.1:8080/cameras>.

You should get request to enter username and password:



Enter your CompleteView username and password. If you get similar to the following web page, it means that your Web Server is accessible from the iPhone.



Protect Your Web Server

If you use your Web Server with the default configuration, it is not protected. One way to protect it is to use Virtual Private Network (VPN). Your IT personnel would help you with VPN.

How to Use Salient CompleteView NVR Viewer

The First Launch

When you launch the app the first time, it will ask you to add a Salient Web Server, as shown in the screenshot below.



Go ahead and tap the "Salient Systems" item to continue.

The app will show New Device screen as shown below.



The first item (Friendly Name) is just a name that you want to associate with the Web Server. In case if you add multiple Web Servers in the

future, the name will help you to distinguish it.

The address field allows you to enter the IP Address (as 1.1.1.1 below) or a DNS name (as apple.com).

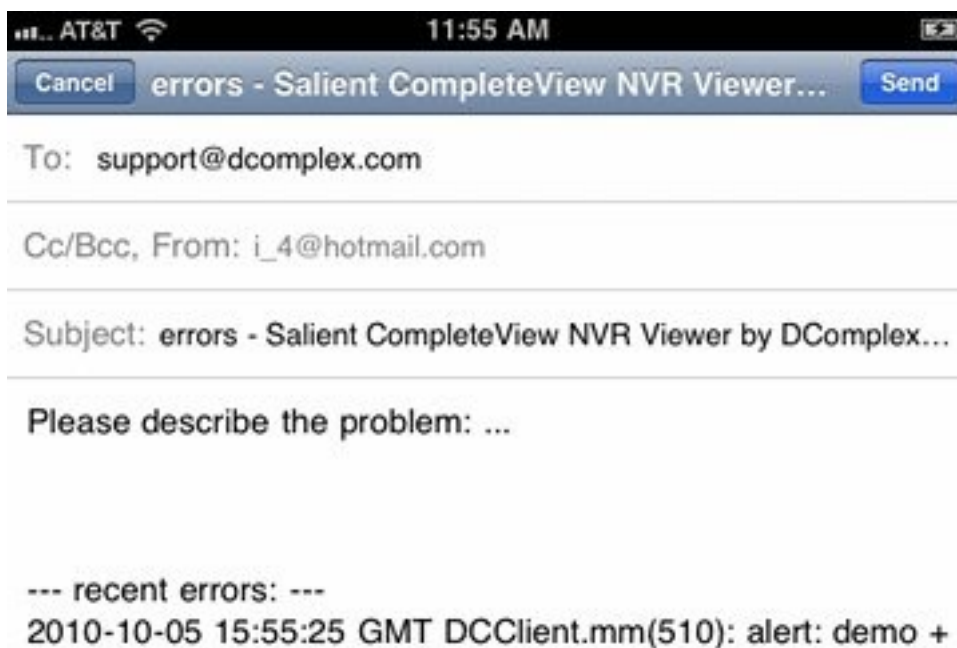
The port is 80 by default. If your Salient Web Server works on another port, set the port field to the appropriate value.

Select the protocol to your Salient Web Server. By default it is HTTP.

Tap the Save button when you are ready. If the app encounter problems accessing the Web Server, it will prompt to report the error.



Tap the Report error button to review the details. If you need help to troubleshoot it, describe the details and tap Send to send the email.



If the app can access the Web Server, it will download the list of Digital Video Recorders (DVRs) that it controls.



Each DVR typically controls multiple cameras. In the above picture it has 8 cameras. Tap the name of DVR to see its cameras.



This camera list screen contains following items, from top to bottom.

- The back button named by the name of the DVR: it allows you to go back to the previous screen.
- The name of the DVR on top (in the picture it is "DEV")
- List of cameras. Each camera entry contains four parts:
 - Icon. The icon shows the last image downloaded from the camera.
 - The name of the camera.
 - Below the name, the app shows the serial number of the camera in the app. Only first 10 cameras will be accessible initially. If you have more than 10 cameras, tap the camera #11 to request In App Purchase. The In App Purchase will allow you to add unlimited number of cameras.
 - The PTZ indicator for PTZ cameras.


Touch a camera to see live video from it.

In-App Purchase

When you attempt to display video from 11th or higher camera, the app will prompt to make the In App Purchase. It will allow you to add and monitor unlimited number of cameras.



Providing Username and Password

In order to specify username and password to access a protected Server, touch the details button  next to the Server name.

You will see the New Device screen again. Enter the credentials and tap the Save button.

Requesting the List of Cameras

Open the list of Web Servers, tap on a Web Server entry to see its cameras.

The list of cameras would look like the following picture.



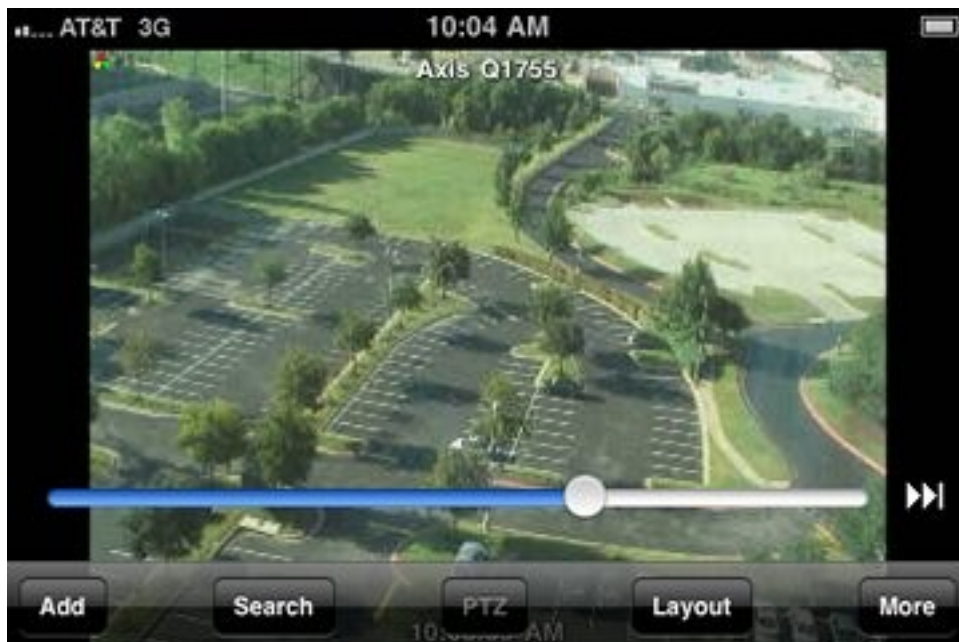
Monitoring Live Video

Monitoring live video will take the lion's share of your app use. Please review these tips to get familiar with all relevant features. You might find something that makes your experience much better.

The Full Screen Mode

The full screen mode displays video from one camera at a time, centering the image and making it as large as the screen allows.

The app also allows to display multiple live video streams simultaneously.



The following functions are available in the full screen mode only.

- PTZ
- Digital PTZ
- Instant replay of live video (scrubbing)
- Video search

Digital PTZ

When video is displayed in the full screen mode, you can perform Digital PTZ.

Use standard iPhone multi-touch gestures: pinch out and pinch in to digitally zoom into the picture. Once the picture is zoomed in, you can hold and slide your finger to digitally pan and tilt the image.

The picture below displays video from the same camera. The top view is zoomed in to focus on the specific area of the parking lot.

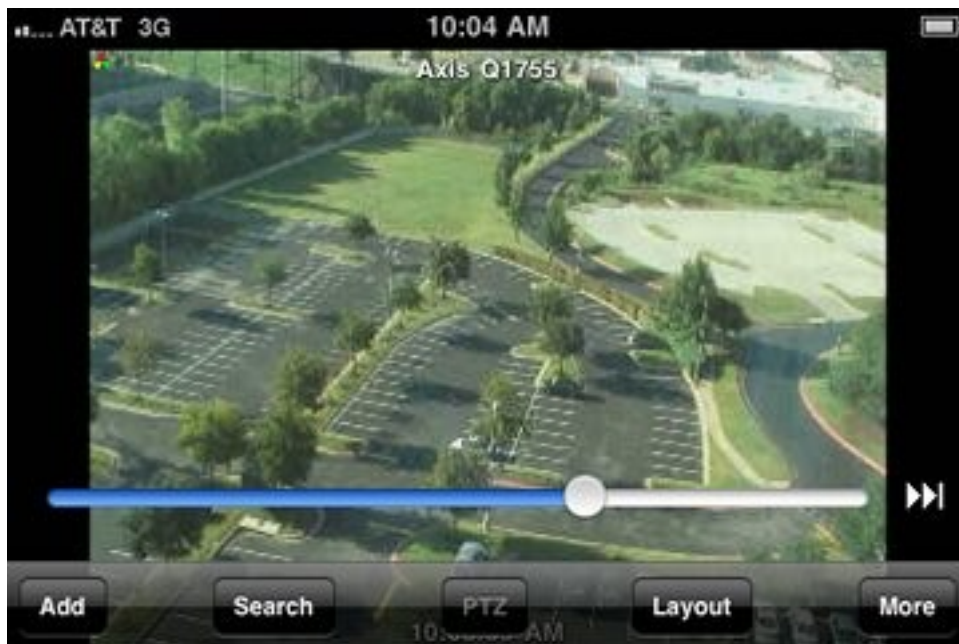


Scrubbing Live Video

When video is displayed in the full screen mode, you can perform instant replay.

Note the slider bar at the bottom. It gives you instant access to recently displayed video. Scrub it to find the desired time.

When you are ready to switch to live video, tap the double arrow button on the right side, or just tap the image to exit the full screen mode.



Monitoring Multiple Cameras

The app allows to monitor live video from up to 16 cameras simultaneously on iPhone and iPod touch and up to 30 cameras on iPad.

Each cell that displays video has camera name at the top and the time stamp at the bottom.

Changing Layout Template

The app comes with multiple layout templates.

You can display video in 2x2 grid, 4x4 grid and etc.

To select active layout template tap the Layout button and then tap the desired template.

The picture below shows the available templates at the bottom.



Changing Camera Displaying Position

When the app is not in full-screen mode, you can change displaying position of each camera.

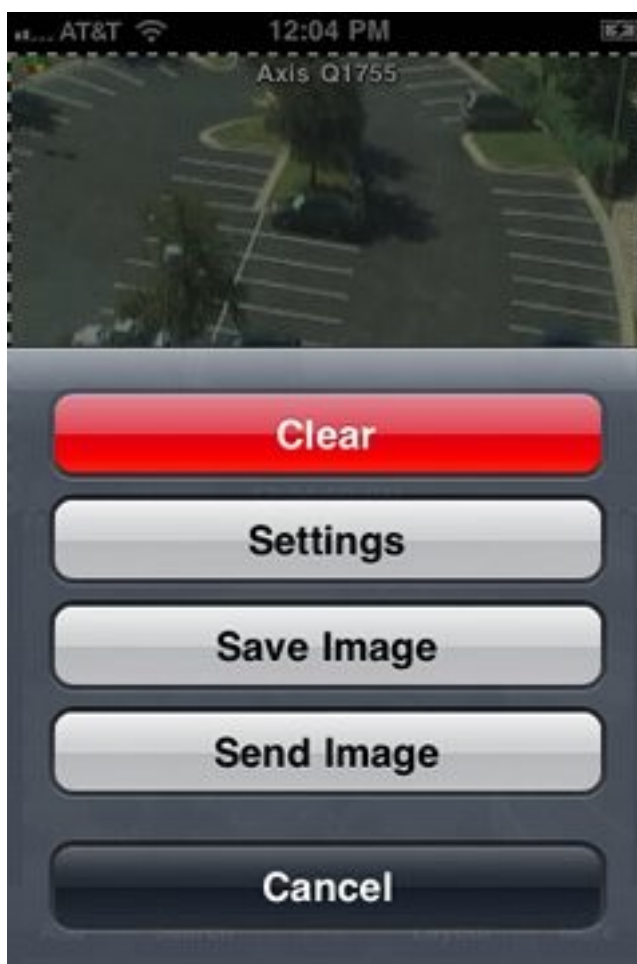
For this, just hold a camera image and bring it to the desired position.

The picture below shows the dragged video cell of the left.



Taking a Screenshot or E-mailing Image

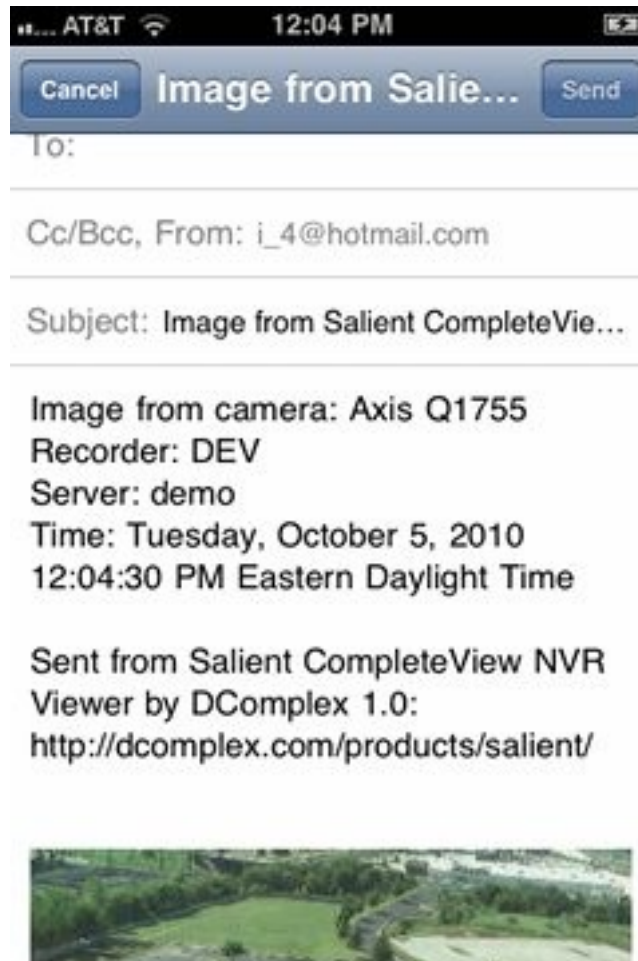
When you hold your finger on an image for about one second, the app displays following on-screen menu.



This menu will be displayed regardless if the current mode is full-screen or not.

- Clear: stop displaying video from the camera
- Settings: tap to configure the web server
- Save Image: save the currently displayed image. To access the image later, find it in the Photos app or synchronize your iPhone device with iTunes.
- Send Image: email the currently displayed image. The standard email form will appear to allow you to add comments, title and recipients.
- Cancel: dismisses the menu.

If you choose to email the snapshot, time and information about the camera will be pre-filled in the app. The image will be attached at the bottom of the email as shown below.



Adding Cameras Using On-screen Camera List

Any time when you see the main screen, you can add cameras for displaying without leaving the main screen.

For this, tap the "Add" button on the toolbar. The app will display the row of buttons, with one button for each web server.

Tap the web server of your choice. You will see the row of its cameras above. The row of cameras might extend beyond the main screen. Use the standard horizontal scrolling gestures to scroll the list of cameras.

You can add a camera in any of two following ways:

- Tap a camera. It will be displayed in the first available cell. If no cell is available it will be displayed in the first cell. All the currently displayed cameras will be moved to make room for it.
- Drag the camera to the place on the screen where you want it displayed.



Playing Back Recorded Video

How to Display Recorded Video

When you watch live video on the main screen and need to see what a camera saw in the past, use the Search button of the toolbar. If the app displays multiple cameras, then the first camera will be automatically switched to the full screen mode. The recorded video will be displayed in the full screen mode. To search for video, just select the start time and duration of the video segment you need.



Note: Digital PTZ functionality is available for recorded video as well. Use standard multi-touch pinch out and pinch in gestures as needed.

Using Scrubbing and Frame Step Controls

It might take a few minutes to download the video segment. The good news is that you do not have to wait until the whole video segment is downloaded. You can start watching recorded video and use the playback controls instantly. As video is being downloaded, all playback controls will work within the downloaded portion. You can pause, play, go to the next image and go to the previous image. In order to get to the end, tap the double arrow at the right of the slider. The slider allows you easily scrub through the video.



Changing Time

If you need to display other video segment, tap the "Time" button on the toolbar to select the time. You will see the same time selection screen. When you are done with the search, tap the "Done" button in the toolbar to return to the main screen.

Other Salient CompleteView NVR Viewer Features

E-mailing Technical Support

If you need help with the app, you can use in-app functionality to send an email directly to Technical Support.

This is especially useful when the app generates error messages. The most recent error messages will automatically be included in the email for more efficient troubleshooting.

If you have any questions or comments about the app, please send email to support@dcomplex.com