

DComplex Mobile

for IP Camera Recorder

User Manual

This document has the latest documentation about the DComplex Mobile, a monitoring iPhone/iPad app for IP Camera Recorder.

Download DComplex Mobile app from Apple App Store:

<http://itunes.apple.com/us/app/dcomplex-ip-camera-recorder/id542390617>

DComplex Mobile 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

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How to Use DComplex iPhone/iPad Client

DComplex iPhone/iPad Client (iPhone/iPad Client for short) app was designed to allow easy access to DComplex IP Camera Recorders' video from anywhere in the world. You can monitor all your recorders within one app.

The First Launch

When you launch the iPhone/iPad Client app the first time, it will automatically search for IP Camera Recorders near you.

Your screen will look like the following:



The only operation available is [Add Video Recorder](#).

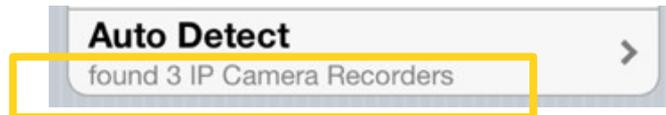
The iPhone/iPad Client app provides you with several ways how to add a recorder.

- [Manually](#): by using IP address,
- [Automatically](#): by using recorder discovery mechanism.

Add a Recorder Using Auto-Detection

The iPhone/iPad Client app can automatically discover IP Camera Recorders near you.

You can see how many recorders were detected by looking at the Auto Detect button's status.



Tap the Auto Detect button to see all discovered recorders.



The list will contain all detected recorders, even ones that you have already added to your app.

Select a recorder from the list of detected recorders. You will see the list of parameters to access the recorder.

Tap the Next button. The app will attempt to connect to the recorder to see what cameras are available.



You may choose to update your recorder's screen name here.

Note: Unless you use the default username and password, enter the appropriate username and password values.

Tap the **Save** button. The recorder has been added to the **Video Recorder** list now.



At this point, you also can see your recorder's cameras, add them to your video layout and monitor live video from them.

Repeat the process to add any other desired detected recorders.

Add a Recorder Using its Address

If you know the Address of the recorder, you can add it manually.

Tap the IP Camera Recorder button.



You will see the list of parameters to access the recorder.



Setup the [recorder's connection parameters](#), tap the Next button. The app will attempt to connect to the recorder to see what cameras are available.

Tap the Save button.

The recorder has been added to the app's Video Recorder list now.

At this point, you also can see your recorder's cameras, add them to your video layout and monitor live video from them.

Configuring Recorder Connection Settings

The iPhone/iPad Client app can successfully connect to any IP Camera Recorder only if the recorder's connection settings are valid.

If you installed your recorder with default settings, you might only need to enter the **Address** of your remote recorder in order for the iPhone/iPad Client app to add the recorder and be able to connect to it.

Changing of your IP Camera Recorder's port number or user/password, or switching to a more secure protocol, will cause your iPhone/iPad Client app to lose the connection to the recorder. Video streams from any cameras from that recorder will stop. It is important to update your iPhone/iPad Client app recorder's connection settings accordingly.

Your iPhone/iPad Client app stores required IP Camera Recorder's connection parameters in order to your Mac Client to successfully connect to it.

To update the recorder's connection settings, tap  button on it.



Your iPhone/iPad Client's window will look like the following:

The screenshot shows a mobile application interface for configuring an IP camera recorder. At the top, there is a header bar with a back arrow, the text "Video Recorders", the name "home", and a "Save" button. Below the header, there are several input fields: a text field containing "home", a text field containing "192.168.1.112", a text field containing "80", a text field containing "admin", and a password field with masked characters. There is a toggle switch for the protocol, currently set to "http" (blue) and "https" (grey). Below the protocol toggle is an "Online" toggle switch, currently set to "ON" (blue). At the bottom are two buttons: "Refresh" and "Delete".

It has the following fields:

- **Friendly Name:** Enter any name that helps you to identify the recorder, such as "Office", "Home", or "Mom's House".
- **Address or Host Name:** Address of your IP Camera Recorder. It is OK to use IP Address or a name, such as mac.local. or dcomplexhq.dyndns.org. **Do NOT enter http:// nor port number into the address field.**
Note: Auto-Detect will automatically set the address of the recorder for you.
- **Port:** The IP Camera Recorder uses Apache Web Server that come with your Mac. By default, it is set to Port: 80. It is possible to change the default settings. Please refer to your Mac manual. Make sure you update it in your iPhone/iPad Client recorder's connection settings as well.
- **Protocol:** The IP Camera Recorder uses Apache Web Server that come with your Mac. By default it is set to Protocol: HTTP, which is not secure. It is possible to change the default settings to operate on HTTPS protocol instead. Please refer to your Mac manual. Make sure you update it in your iPhone/iPad Client recorder's connection settings as well.
- **User Name and Password:** By default, your IP Camera Recorder comes with a default user name and password (User Name: admin, Password: admin). It is recommended that you change the password immediately. This way no one can connect to it but you. Make sure you update it in your iPhone/iPad Client recorder's connection settings as well.

When your are done, tap the Save button.

Disconnect from a Recorder

The iPhone/iPad Client app can easily be disconnected from any IP Camera Recorder.

Note: You cannot permanently uninstall a recorder using the iPhone/iPad Client app from your iPhone/iPad.

To disconnect from a recorder, open it's connection settings by tapping  button on it.



Tap the **Delete** button. The iPhone/iPad Client app will ask you to confirm.

The app will disconnect from the recorder and remove it from its **Video Recorder** list.

Any video cell displaying video from any camera from the disconnected recorder will be closed.

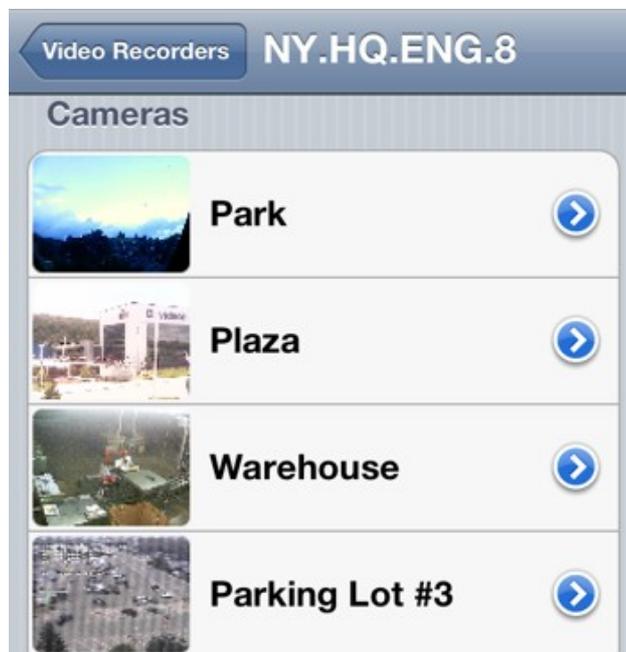
Managing the Cameras List

The iPhone/iPad Client app allows you to monitor cameras from any recorder.

To see the Cameras list from any recorder, tap on the recorder's name.



The iPhone/iPad Client app will display all cameras from that recorder in a list.



Camera's Screen Settings

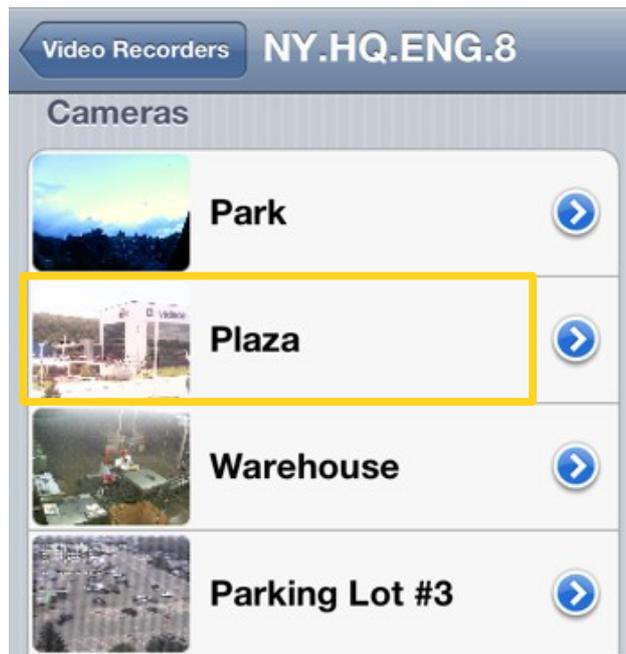
Camera's screen settings consist of parameters to display camera, recorder names and current time.

You can open camera settings by tapping  button on it.



Camera Video

Tapping on the camera's name will add the camera to your current video layout.



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.

Toolbar

The app's video screen has toolbar for managing video.



The toolbar automatically disappears after a few seconds of inactivity. To display it again, simply tap the screen.

The toolbar has following buttons in order of their appearance:

- [Add Camera](#): for adding more cameras to your video layout using on-screen camera list.
- [Video Search](#): for managing recorded video and events.
- [Layout](#): for selecting layouts to display video from multiple cameras 2x2, 3x3 or other camera matrix as needed.
- [Lock/Unlock Layout](#): for allowing or preventing cameras to change positions .
- [Multiple Video Screens](#): for moving between multiple screens of video layouts.
- [Settings](#): for configuring video recorders and monitoring events.

Add a Camera

You can easily add a camera to you video layout by using on-screen camera list.

The app always displays the Add Camera  button in the video toolbar.

Tap the button to see on-screen recorder list.



Tap on a recorder of your choice to see it's on-screen camera list.



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 on a camera to add it to the first available cell in your video layout. 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.

You should see the video from the camera now.

Video from each camera fills all of the cell's space. If the video from a camera is too wide or too high for the cell, it is automatically cropped to maximally fit into the cell.

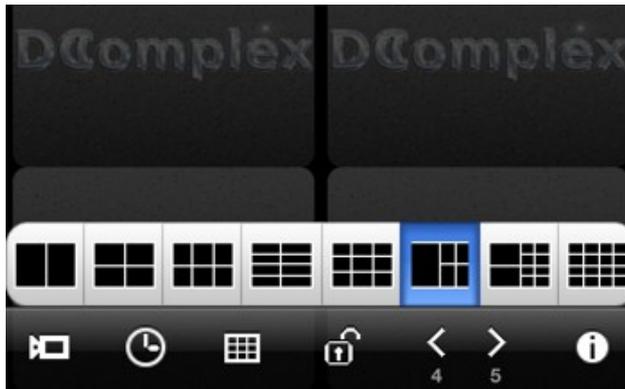
To change cropping, use different layout templates.

Layout Templates

The iPhone/iPad Client app comes with multiple layout templates.

The app always displays the **Layout**  button in the video toolbar.

Tap the button to change active video layout template.



Changing Camera Displaying Position

When your iPhone/iPad Client app is not in the **Full Screen Mode**, you can change displaying position of each camera.

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

The app always displays the **Lock Layout**  button in the video toolbar.

The **Lock Layout** button is a toggle button. Tap the button to lock all cameras into their places and prevent them from changing positions. Tap it again to unlock the layout.

Monitoring Multiple Cameras

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

To help you organize your cameras more efficiently, the app lets you create multiple screens for displaying cameras.

The app always displays the **Multiple Video Screens**  button in the video toolbar. You can use it to move between screens.

Settings

The iPhone/iPad Client app always displays the Settings  button in the video toolbar.

The Setting screen allows you to

- access all your recorders and their settings,
- monitor [recent events](#) from all your recorders, and
- get help by accessing User Manual or [e-mailing Technical Support](#).



Events

The app allows you to monitor most recent events from all your recorders. It updates the list of events automatically.

To see the most recent events from all your recorders, tap the Events button on [the Setting screen](#).

Once motion is detected, the app will display the event in its Events list in red.

After the event is restored, the Mac Client app will display the event name in black and show the total duration of the event.



Note: The number of items in the Events list is limited. However, you can still find all events from the camera in [Video Search](#) window.

In order to help you to see which portion of the image caused the event, the event's thumbnail image will have a red rectangle highlighting the region of the event.

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.

Here is how to contact Technical Support.

- [Open the Settings screen](#) and tap the Help button,
- Select e-mail button from under the Technical Support section. The recent error details will automatically be added to the email.



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 following functions are available in the **Full Screen Mode** only.

- Instant replay of live video (scrubbing),
- Camera PTZ,
- Digital PTZ, and
- Video Search.

To switch into the **Full Screen Mode**, lightly tap the camera's video cell. To return into the **Layout Mode**, lightly tap the camera's video cell again.

Scrubbing Live Video

The iPhone/iPad Client app automatically buffers recent video from a camera while it is in the **Full Screen Mode**.

Scrubbing live video functionality allows you to access and instantly replay recent video.

Notice the slider bar at the bottom. Scrub it to find the desired time.



Note: Every time you are in **Scrub** mode, the camera's video cell is NOT displaying live video.

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

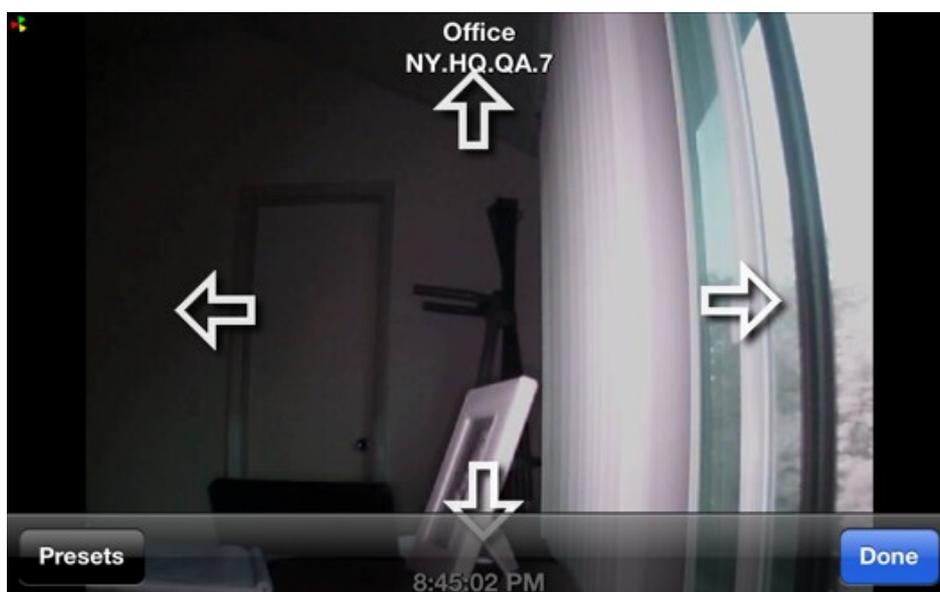
Camera PTZ

Some IP Cameras support PTZ functionality: a user can Pan, Tilt or Zoom the camera.

If PTZ is available for your camera, the app will show an activated PTZ button in the video cell's toolbar.

The PTZ button is only displayed while camera is in the Full Screen Mode.

Tap the button to see arrows that control PTZ.



In order to start moving in a specific direction, press and hold the arrow button. To stop moving, release the hold.

Note: PTZ presets must be configured on the camera before they can be used by the iPhone/iPad Client app.

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.

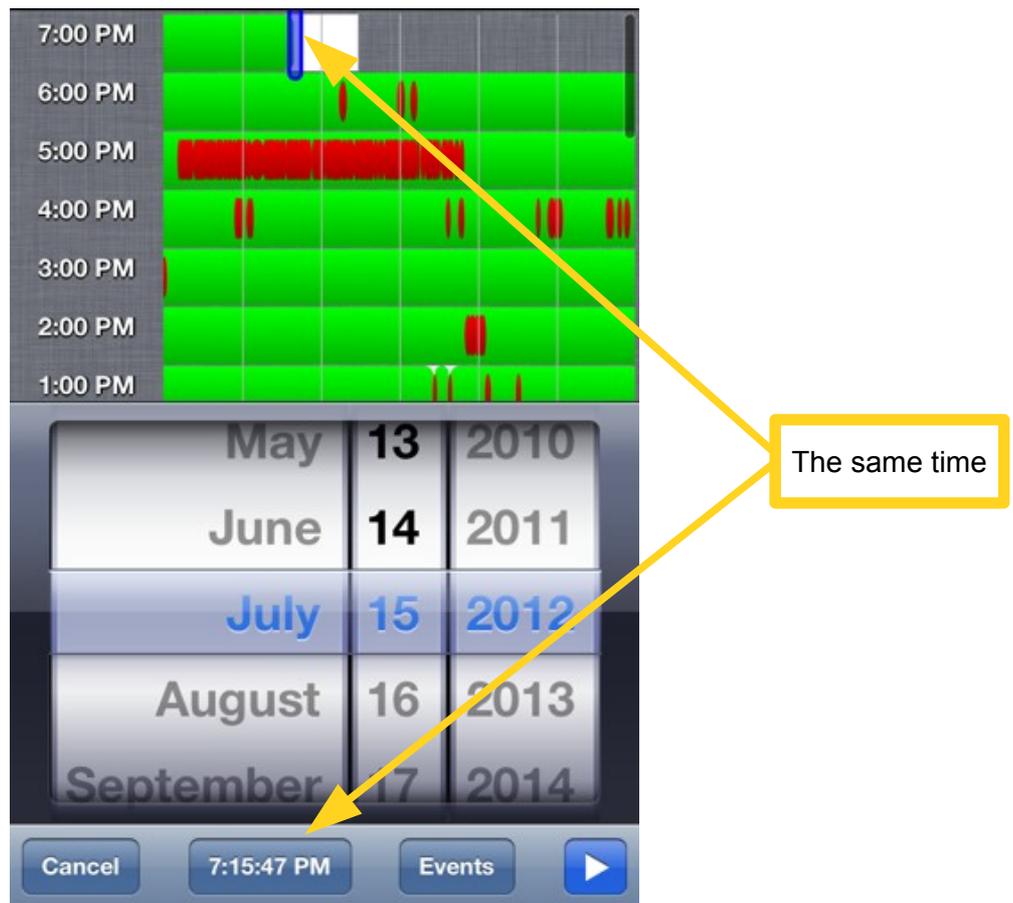
Video Search

The iPhone/iPad Client app provides Video Search functionality to search recorded video from any configured camera.

The app always displays the Video Search  button in the video toolbar.

The Video Search button is only enabled while camera is in the Full Screen Mode.

Tap the button to open the Video Search window.



It contains the following elements

- Time Line with graphical display of recorded video and events. It allows you to pick recorded time by tapping on it. You can increase the selected time frame by holding your finger over the area for a few seconds.

Notice how the selected time is detected and displayed on the toolbar's button.

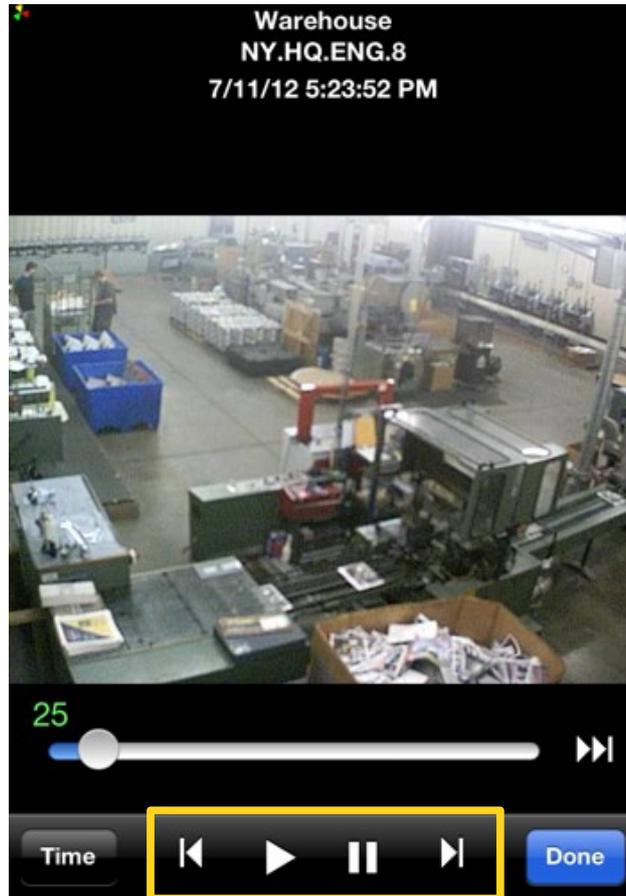
- **Date/Time Control** for date/time selection.
By tapping on the toolbar's button that displays the current selected time, you can switch **Date/Time Control** between selecting a date into selecting a time and visa-verse.



- **Event Control** allows to search through all events from the camera for the selected time.

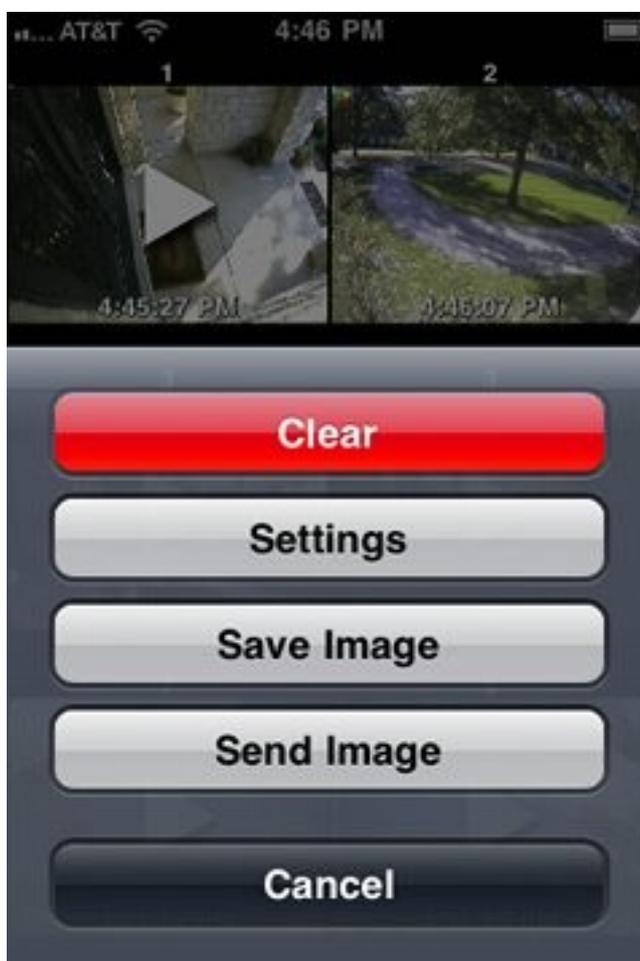


- Video Playback Control for video playback from the camera for the selected time.



Taking a Screenshot or E-mailing Image

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



This menu will be displayed regardless if the current mode is the Full Screen or not.

- **Clear:** stop displaying video from the camera.
- **[Settings](#):** access the selected recorder and its settings.
- **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.