

# **DComplex IP Camera Recorder**

## **User Manual**

This document has the latest documentation about the DComplex IP Camera Recorder.

Download IP Camera Recorder from  
<https://dcomplex.com/store/>

IP Camera Recorder 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](http://dcomplex.com)

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## How to Prepare an IP Camera

### ***Validating Access to Your IP Camera***

Once you have an IP Camera setup on your network and running, verify that you can connect to it from your Mac.

For this, on your Mac,

- Open the **Safari** app and
- Enter the address of your IP Camera.

You should get the web page of the camera.

The camera's web page might need to install plug-ins for your browser to function properly in **Safari**. However, you do not need to install those in order for IP Camera Recorder to work. If you see the camera home page in **Safari**, this is sufficient for the IP Camera Recorder to access the camera.

If you do not see the camera home page in **Safari**, please see the instructions that came with the camera to make sure that the camera is configured properly and the address of the camera is spelled correctly.

**If the **Safari** app on your Mac cannot connect to your IP Camera, then the IP Camera Recorder will not work with it as well. Ask your network administrator to allow access to the IP Camera from your Mac.**

### ***Protecting Your IP Camera***

In the default configuration, camera username and password will be sent to the camera in clear text.

We recommend to activate the Secure Sockets Layer (SSL, aka TLS, aka HTTPS) on the camera to protect the network traffic. Each camera has a different procedure for it. Please see the camera manual.

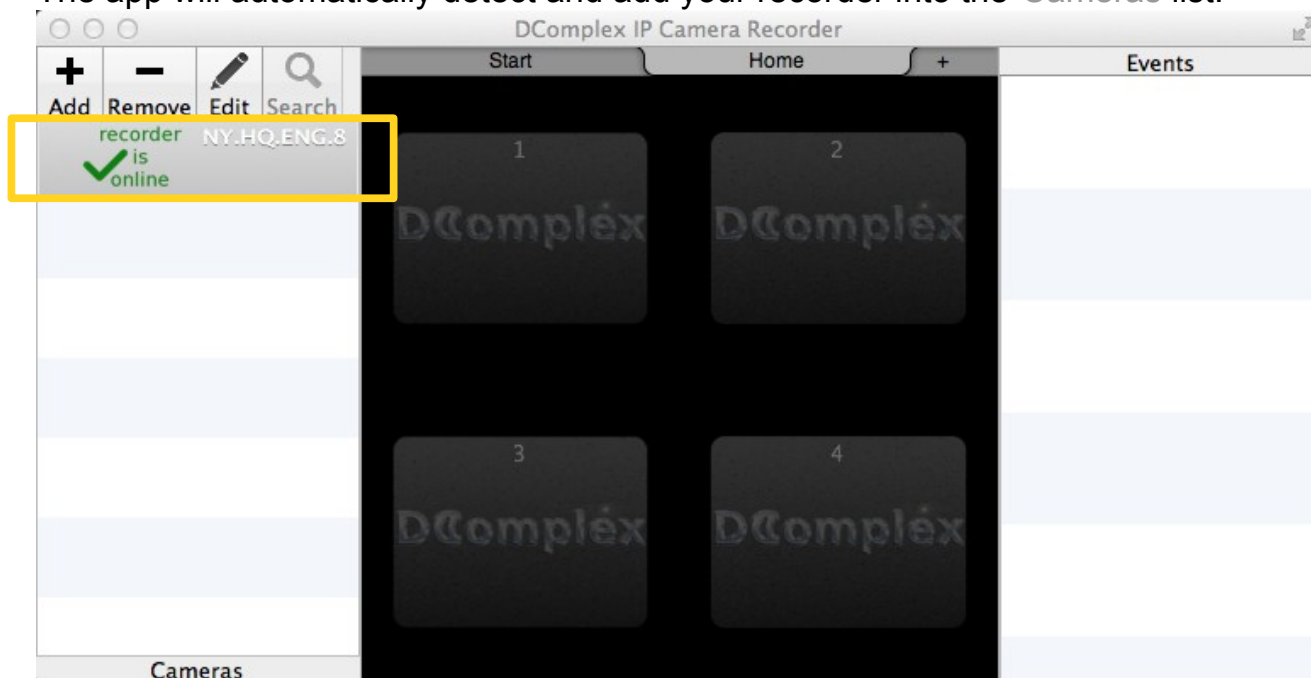
## **Configuring IP Camera Recorder**

DComplex IP Camera Recorder app (“the app” for short) was designed to allow easy configuration of DComplex IP Camera Recorders and easy access to theirs video. You can monitor all your local and remote recorders from one app.

## The First Launch

When you launch the app the first time, it will automatically search for DComplex IP Camera Recorders on your network.

The app will automatically detect and add your recorder into the Cameras list.



It will prompt you to [add cameras](#) next.

Before you start adding cameras,

- [Change your recorder's default 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. You can easily change the password or add a new user using the app. Make sure you update it in the app's [recorder's connection settings](#) as well.
- [Verify the storage locations selection](#)  
IP Camera Recorder scans your Mac for all available storage locations. By default, after a camera has been added, your recorder starts recording video from it automatically. It is recommended to verify the storage locations selection before adding any cameras to the recorder.

## Recorder

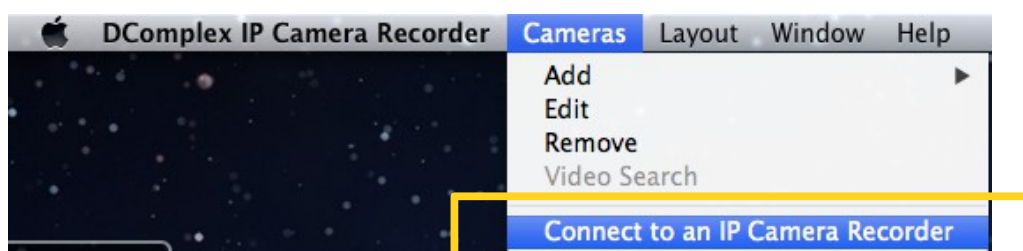
### Connecting to a Remote Recorder

The app allows you to connect to, configure and monitor an unlimited number of IP Camera Recorders.

You need to know **Address** of the remote DComplex IP Camera Recorder. Typically, you would use a computer IP Address here. However, if your computer has another address format, such as DNS (like: dcomplexhq.dyndns.org), or local address (like: mac.local.) - it would work as well.

Note: If you are running the app locally (with DComplex IP Camera Recorder currently installed and running on your Mac), then the app will automatically add your recorder into the **Cameras** list for you. The Address field of your local recorder will show **localhost** value.

Invoke the **Connect to an IP Camera Recorder** command from the **Cameras** menu on the top of your computer screen.



### Connection Settings

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

 A screenshot of the 'Adding: IP Camera Recorder' dialog box. The fields are: Recorder Name: DComplex HQ; Address: dcomplexhq.dyndns.org; Port: 9001; Protocol: http; User Name: admin; Password: masked with dots.

Setup the recorder's connection parameters as needed, tap the Next button.

Note: Only authorized users can connect to the recorder. Use the default **User Name: admin**, and **Password: admin** to connect to the recorder the first time.

The app will attempt to connect to the IP Camera Recorder to synchronize any pre-configured configuration, including any existing cameras, storages, schedules and users.

Then, the app will automatically open [the recorder's configuration window](#). For a new recorder the **Cameras** list will be empty. All other tabs will have default configuration.

You can continue configuring your IP Camera Recorder using the app's configuration window. When you are finished, tap the **Close** button.


The recorder is added to the app's **Cameras** list now.



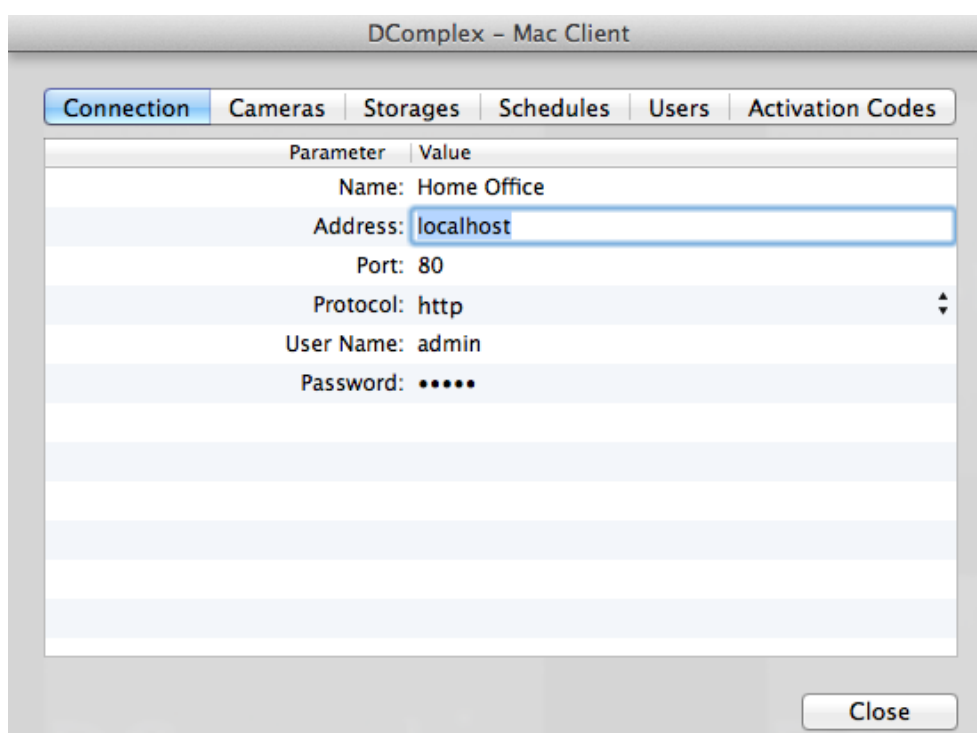
## Configuring a Recorder

The app allows you to modify your recorder's settings such as adding/removing cameras and users, selecting storage locations, and customizing schedules.

Access the recorder configuration by,

- Selecting the recorder you want to modify, and
- Tapping the Edit  button on the top-left corner of the app.

The recorder configuration window looks like the following:



It has the following tabs:

- [Connection](#): Contains connection parameters to the actual IP Camera Recorder. They are required in order the app to successfully connect to your recorder.
- [Cameras](#): Lists all cameras configured on the IP Camera Recorder. It allows you to add, modify and remove cameras on the recorder.
- [Storages](#): Lists all possible storage locations. It allows you to select storage locations on your IP Camera Recorder for video recording.

- [Schedules](#): Lists all built-in and custom video recording schedules. It allows you to add, modify and remove schedules on your IP Camera Recorder to control video recording.
- [Users](#): Lists all authorized users with access rights. It allows you to add, modify and remove users on your IP Camera Recorder.
- [License Keys](#): Lists all purchased camera license keys.

## Connection Settings


The app can successfully connect to any DComplex IP Camera Recorder only if its connection settings are valid.

If you installed your recorder with default settings, you might only need to enter **Address** of your remote recorder in order for the 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 the app to lose the recorder's connection. Video streams from any cameras from that recorder will stop. It is important to update the app recorder's connection settings accordingly.

The **Connection** tab stores required IP Camera Recorder's connection parameters. The app uses them to successfully connect to the recorder.

To update the recorder's connection settings,

- Tap the **Edit**  button, and
- Select the **Connection** tab.

The app's window will look like the following:

Parameter	Value
Name:	Home Office
Address:	localhost
Port:	80
Protocol:	http
User Name:	admin
Password:	•••••

It has the following fields:

- **Name:** Enter any name that helps you to identify the recorder, such as "Office", "Home", "Mom's House".
- **Address:** 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:** If you are running the app locally (with DComplex IP Camera Recorder currently installed and running on your Mac), then the app will automatically


add your recorder into the **Cameras** list for you. The Address field of your local recorder will show [localhost](#) value.

- **Port:** The IP Camera Recorder uses an Embedded Web Server. By default, it is set to **Port: 9001**.
- **Protocol:** By default, the IP Camera Recorder uses HTTP protocol. It is possible to use more secure HTTPS protocol using the Apache Web Server that came with your Mac. Contact us for details.
- **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. You can easily change the password or add a new user using the app. Make sure you update it in the app recorder's connection settings as well.

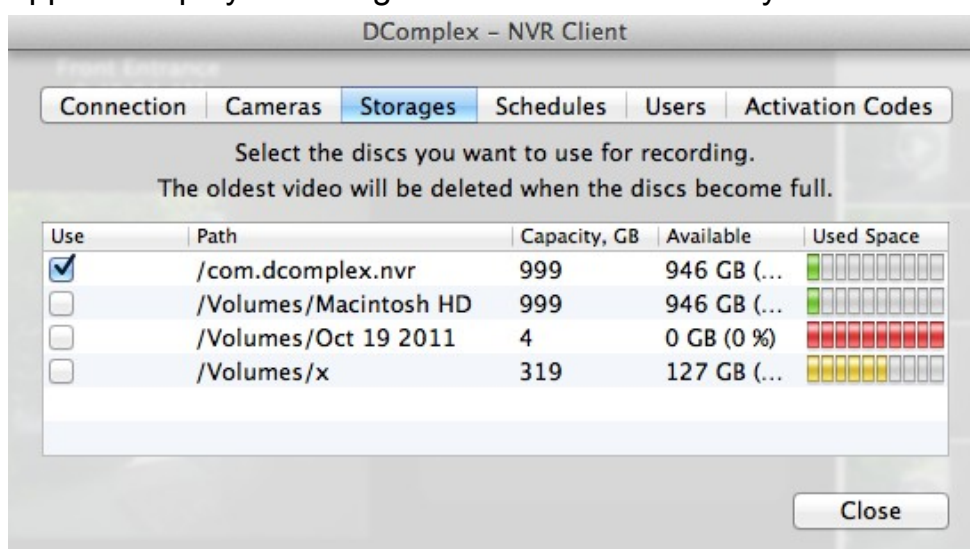
## Storage Locations

IP Camera Recorder scans your Mac for all available storage locations. By default, after a camera has been added, your recorder starts recording video from it automatically. It is recommended to verify the storage locations selection before adding any cameras to the recorder.

Your IP Camera Recorder monitors your hard drives for free space. You can always see the current video storage locations on your IP Camera Recorder and its status.

- Select the recorder,
- Tap the Edit  button, and
- Select the Storages tab.

The app will display all storage locations available on your Mac.



IP Camera Recorder records video to the selected locations.

IP Camera Recorder does not limit the number of days to store the recorded video. The video will be stored for up to as many days as the specified storage locations permit.

If your location is 90% full with system files or your other files, IP Camera Recorder will not record video to it.

If there is not enough space in the selected locations, the oldest video recorded by the IP Camera Recorder will be deleted automatically to free up space for newest video.

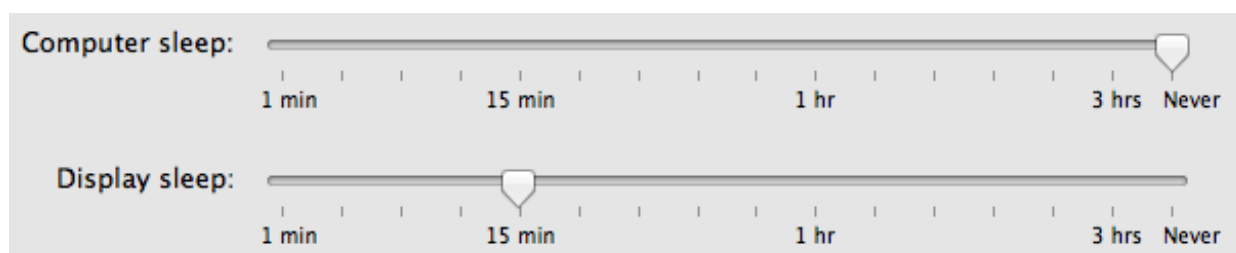
## Video Recording and Sleep Mode in Mac OSX

When your computer goes to sleep, the IP Camera Recorder will STOP video recording. That means that your scheduled recording will NOT work as well.

To learn more about what happens when your Mac goes to sleep read [About Energy Saver sleep and idle modes in Mac OS X](#) article.

Here is how to disable sleep mode on your Mac.

- Open the Finder app and select Applications item
- From it launch System Preferences app
- Select Energy Saver under Hardware section
- You will see two sliders



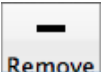
- If you set the Computer Sleep slider to Never - the computer will always stay on.
- You could keep Display Sleep to some small value, like 5 minutes to save energy.

## **Disconnecting from a Recorder**

The app can easily be disconnected from any IP Camera Recorder.

Note: You cannot permanently uninstall a recorder using the app from your Mac.

Invoke the **Remove** command by

- Selecting the recorder you want to disconnect from, and
- Tapping the **Remove**  button on the top-left corner of the app.

The app will ask you to confirm.



The app will disconnect from the recorder and remove it from the **Cameras** list.

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

## Camera


### Adding a Camera

The Recorder can detect many camera models on your network. If your camera is detected, you do not even need to know the address of your camera. Otherwise, you must know the Address of the camera and the camera Model, before you can add the camera to your IP Camera Recorder.

Note: Typically you would use camera IP Address here. However, if your camera has less popular address format, such as DNS (like: mycam.dyndns.org), or local address (like: axis-a3.local.) - it would work as well.

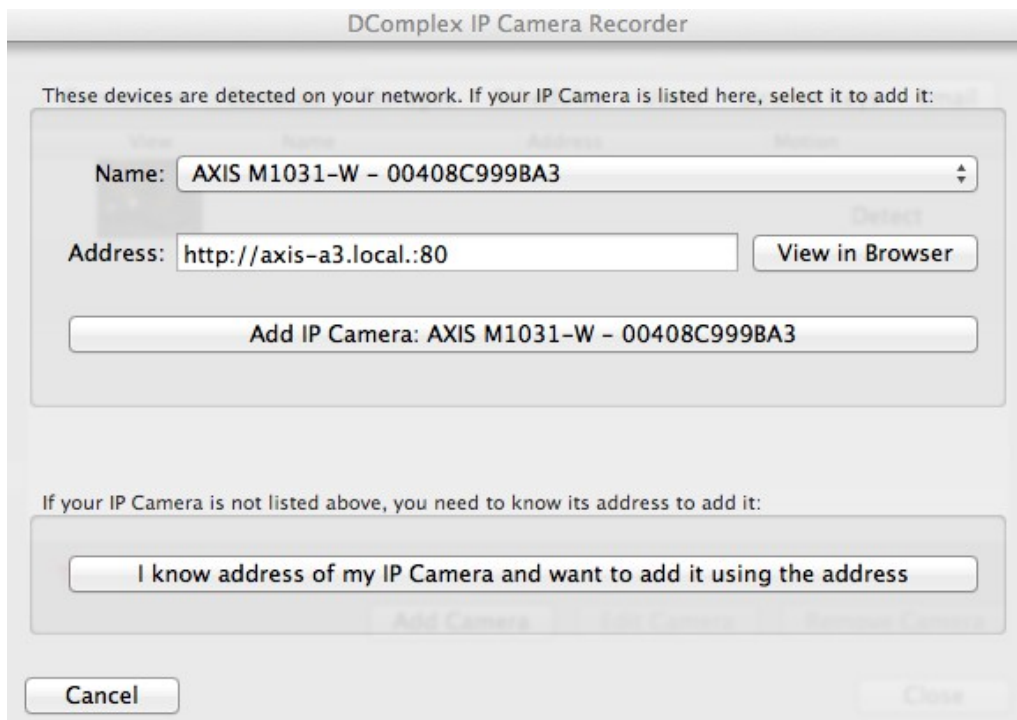
Select the recorder you want to add cameras to.

Invoke the Add Camera functionality by

- Tapping the Add button  on the top-left corner of the app, and
- Selecting the Add Cameras command.



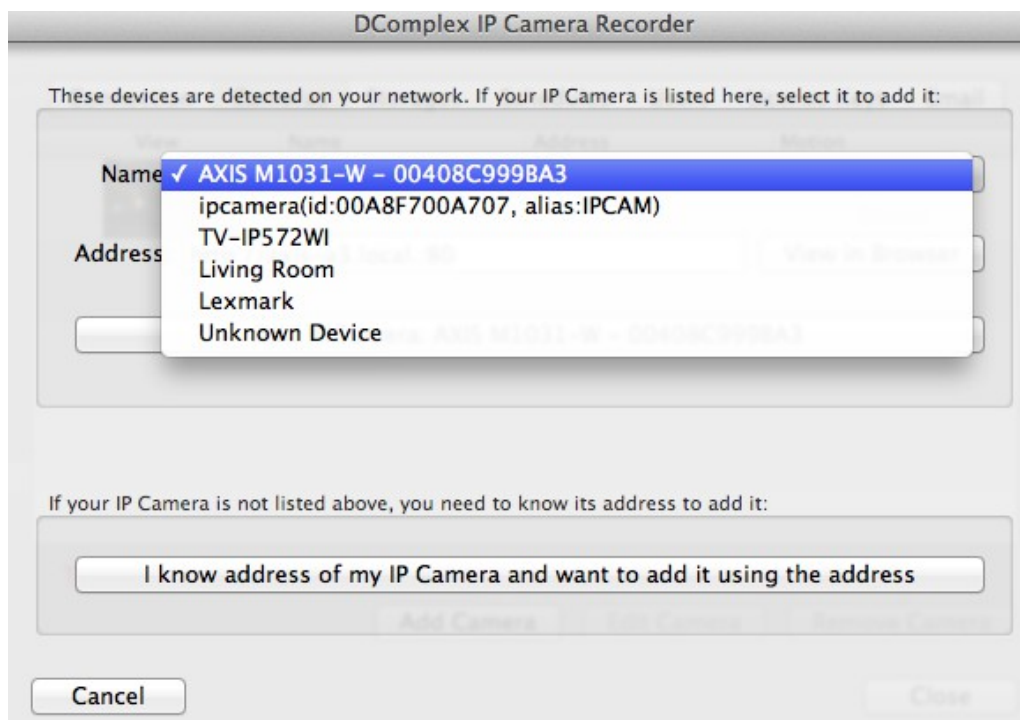
The app will scan your network for any available devices.



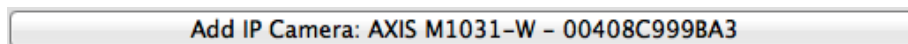


### Using Auto-Detection

The app can automatically discover IP Cameras near you. To see all auto detected devices, open the Name list-box:

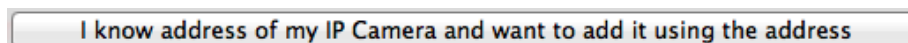


To add the camera, select it from the Name list, and tap the button below it:

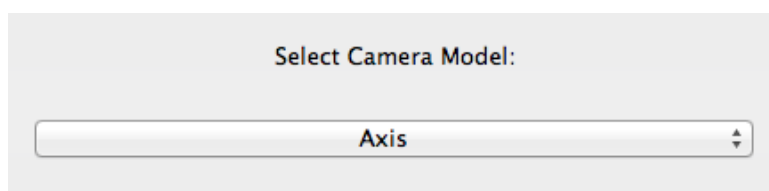


### Using Its Address

You may choose to add your camera manually by tapping the button below:



Then, select the camera type, such Axis, Sony or ONVIF, tap the Next button.



## Configuration

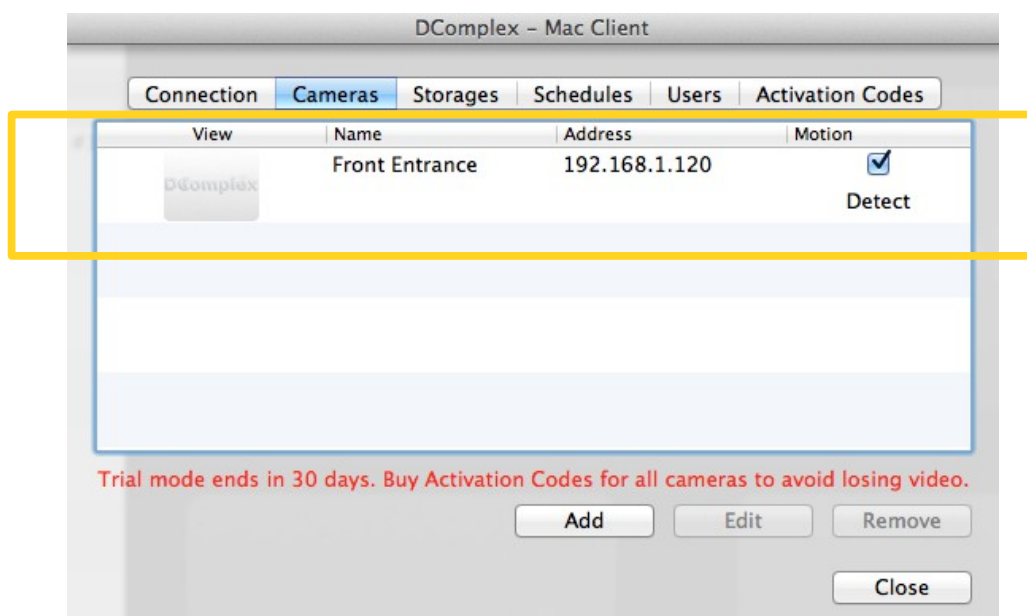
The app will open [the camera's configuration window](#). Setup the camera's parameters as needed, tap the **Next** button.

The app will send the camera parameters to the selected DComplex IP Camera Recorder. The camera will be added to your recorder.

The recorder will attempt to connect to the camera to see what functionality is available. For example: whether the camera allows Pan Tilt and Zoom controls.

## List of Cameras

The camera will be added to the **Cameras** tab's list.



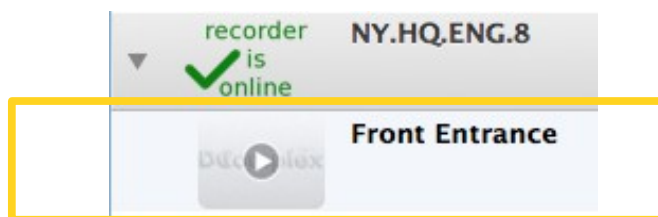
It is set up with default configuration. You can adjust your camera's settings anytime by using [the camera's configuration window](#).

The camera will be added under your IP Camera Recorder into **Cameras** list.

Notice that now the recorder has ► symbol before it in the **Cameras** list control.



All your cameras from the recorder are listed under it. Tap ► symbol to see all the cameras from that recorder.




Notice that ► symbol changed to ▼ symbol. Tap ▼ symbol to hide all the cameras from that recorder.

At this point, you also can add camera to your [video layout](#) to be able to see [live video](#) from it.

## ***Editing a Camera***

The app allows you to modify your camera's settings on your IP Camera Recorder.

Invoke the **Edit Camera** functionality by

- Selecting the camera, and
- Tapping the **Edit**  button.

The app will open [the camera's configuration window](#). Setup the camera's parameters as needed, tap the **Save** button.

The app will send camera's new settings to the recorder.

## Configuring a Camera

The app allows you to modify camera's settings on your IP Camera Recorder anytime by using the following camera's configuration window.

Parameter	Value
Name:	Warehouse
Address:	66.35.137.235
Port:	80
Protocol:	http
User Name:	
Password:	
Quality:	Good
Frames Per Second:	5
Continuous Recording Schedule:	Always
Keep Recorded Video (Days):	30
Record Continuously:	1 Image per Second
Record during Events:	5 Images per Second
Detect Motion:	<input type="checkbox"/>
Motion Detection Threshold:	2

Buttons: Hide Details, Cancel, Save

It has the following fields:

### Connection Settings

- **Name:** Enter any name that helps you to identify the camera, such as “Front Entrance”.
- **Address:** Address of the camera. It is OK to use IP Address or a name, such as axis-a3.local. or me.dyndns.org. **Do NOT enter http:// nor port number into the address field.**
- **Port:** Most cameras are configured to operate on port 80. If you changed it through the camera's Web page, update the port number here.
- **Protocol:** Most cameras operate using HTTP protocol, which is not secure. If you configured the camera to operate on HTTPS protocol through the camera's Web page, select it from the list here.
- **User Name and Password:** If the camera allows access only to specific users, enter the credentials of the user.

## Video Quality

- **Quality:** quality parameter of the video stream.
- **Frames Per Second:** Select frame rate for live video. The IP Camera Recorder will pull video and show live video from the camera at this rate.

## Video Recording

- **Continuous Recording Schedule:** The app allows you to configure your IP Camera Recorder to record video from a camera automatically using a schedule.

By default, after a camera has been added, your IP Camera Recorder automatically starts recording video from it using one of the built-in schedules (*Always*).

You can always switch to any other [built-in schedules or create you own ones](#).

Note: When your computer goes to sleep, video recording will NOT work. You must [disable Mac sleep mode](#) to be able to continue record video.

An IP Camera Recorder can record video from up to 20 cameras at the same time. You will need a valid license key for each camera.

- **Keep Recorded Video (Days):** Allows you to specify how long you want to keep the recorded video from the camera.
- **Record Continuously:** Select frame rate for continuous recording.

The number of images per second to record when no Motion events happen.

- **Record During Events:** Select frame rate for recording during events.

If Motion Detection is activated then this is the rate your recorder will record video with during event times.

If Motion Detection is not activated then this rate will be ignored.

## Video Analytics

- **Detect Motion:** IP Camera Recorder can continuously analyze video stream from configured cameras to detect motion.

By default, after a camera has been added, your recorder automatically starts

analyzing the video stream.

Once motion is detected, the app will display the event in its [Events](#) list.

IP Camera Recorder records the video that triggered the event at a special rate (see [Record During Events](#)).

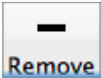
You can always search recorded video for events from a camera by using the app's [Video Search](#) functionality.

- **Motion Detection Threshold:** Configure the **Threshold** value for the **Motion Detection** event to have the event triggered only when the amount of motion exceeds the value.

Take some time to play with video analytic events to understand how they can be used in your environment. When used correctly, the events can save you a lot of time during video search.

## **Removing a Camera**

You can permanently remove a camera from your DComplex IP Camera Recorder.

- Select the camera you want to remove,
- Tap the Remove  button, and
- Confirm

The camera will be permanently removed from the recorder and the app's Cameras list. All video cells from the camera will be closed.

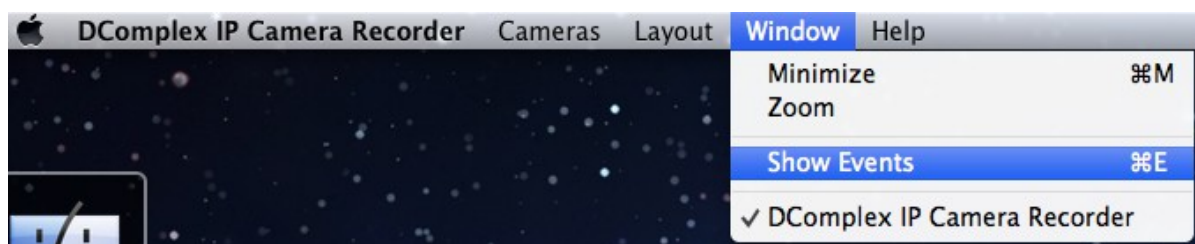


## Events

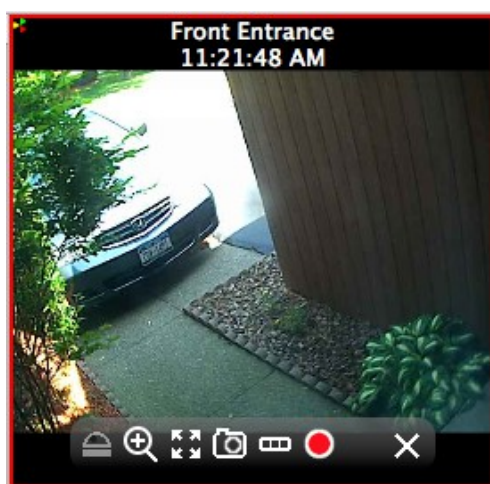
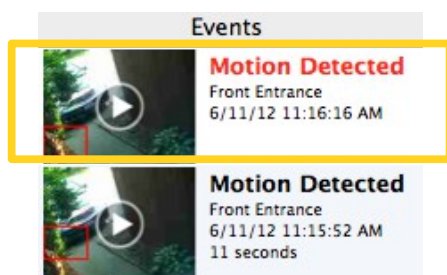
### Managing the Events List

The app allows you to monitor Motion Detection events from your IP Camera Recorder for any configured camera. By default, after a camera is added, your recorder automatically starts analyzing video stream for motion. Once motion is detected, the app will display the event in its Events list.

To see the Events list, activate the Show Events item from the Window menu.



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



In addition, the app will display red borders around the camera's video cell.

After the event is restored, the 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 the [Video Search](#) window.

To help you 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.

You can always search recorded video for events from a camera by using [Video Search](#) functionality.

## Schedules


IP Camera Recorder allows you to record video from a camera automatically using a schedule.

### List of Schedules

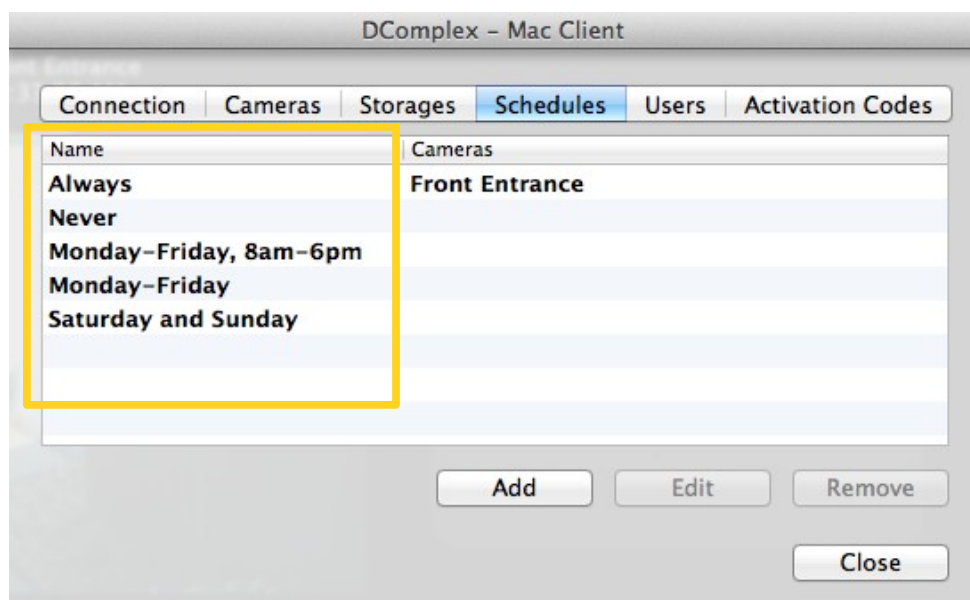
By default, after a camera is added, your IP Camera Recorder automatically starts recording video from it using one of the built-in schedules (*Always*).

You can [switch video recording mode](#) to any other built-in schedules using the *Continuous Recording Schedule* setting on your camera or create your own schedules.

To see all available schedules on a recorder or create your own,

- Select the recorder,
- Tap the Edit  button, and
- Select the Schedules tab.

The app will display all schedules available on your IP Camera Recorder as a list.



Notice that all your cameras are listed next to the schedule they use.

## Built-in Schedules

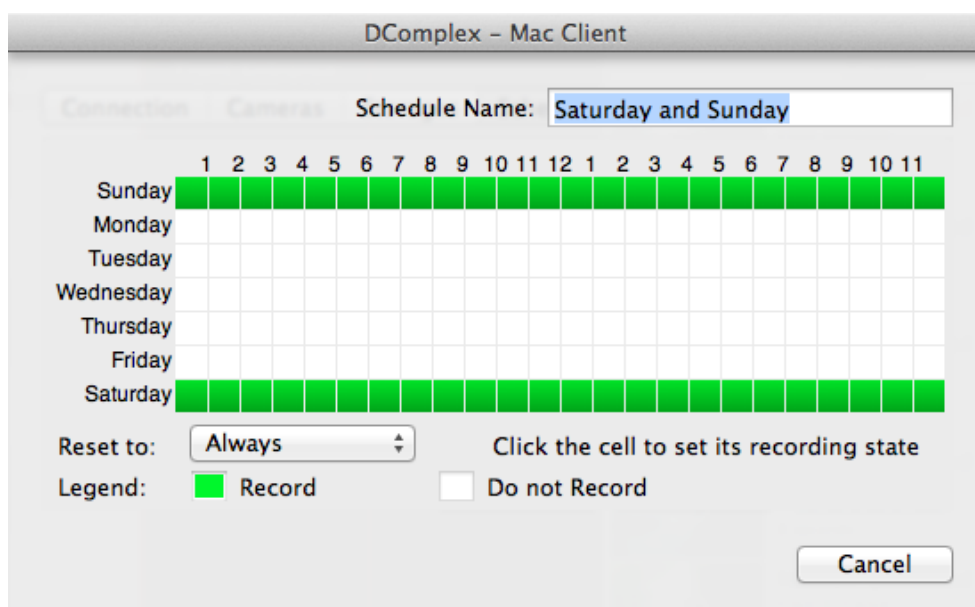
There are 5 built-in schedules available to you: “**Always**”, “**Never**”, “**Monday-Friday, 8am-6pm**”, “**Monday-Friday**” and “**Saturday and Sunday**”.

Notice, all built-in schedules are listed using **bold** font for easy spotting.

You cannot Edit or Remove any built-in schedules.

You can only View them. For that, select a built-in schedule from the list and tap the View button.

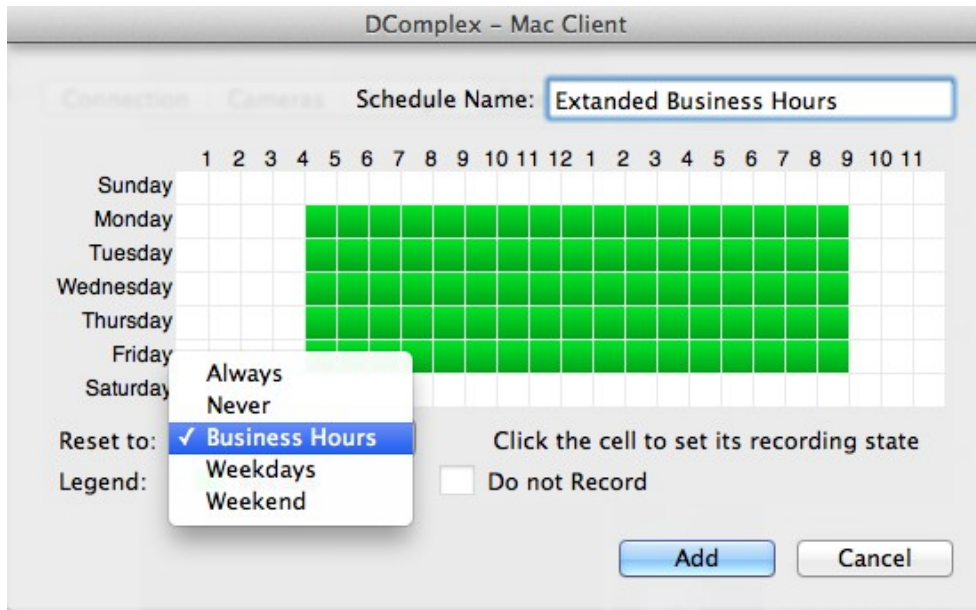
The Schedule configuration window will look something like the following:



## Custom Schedules

You can easily create you own schedules. For that, tap the **Add** button.

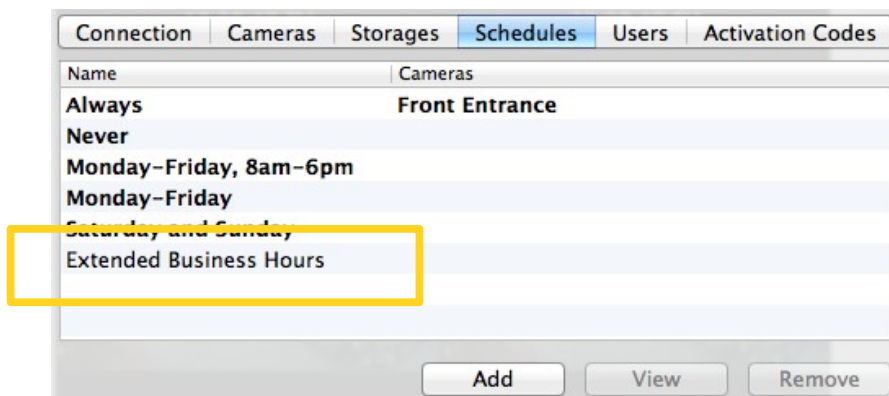
Use your mouse to select time (in **green**) for continuous recording for each day of the week.



You can reset the schedule to one of the built-in templates (**Always**, **Never**, **Business Hours**, **Weekdays** or **Weekend**) by using the **Reset to** combo-box to make a base for your customized schedule.

Enter a new name for your schedule to help you identify it easily.

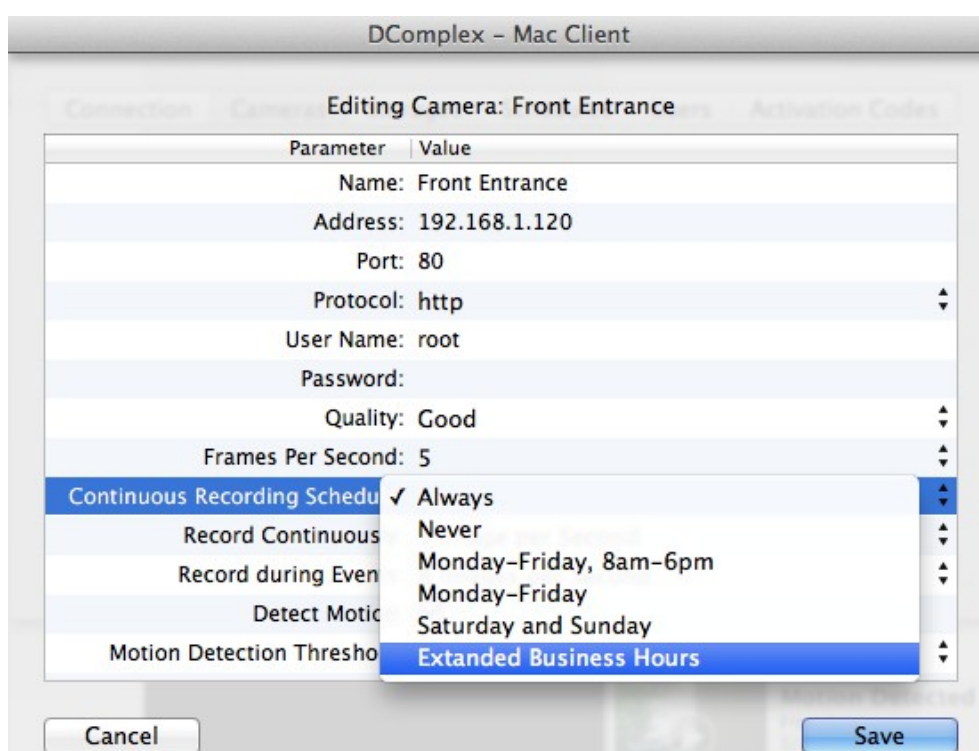
After you are finished, tap the **Add** button. You can see your new customized schedule in the list now.



You can easily **Edit** or **Remove** your schedules.

Now you can switch any camera from your IP Camera Recorder to the new customized schedule.

- Select the **Cameras** tab.
- Select a camera from the list,
- Tap the **Edit** button, and
- Update **Continuos Recording Schedule** field with your new customized schedule value.



Note: When your computer goes to sleep, video recording will NOT work. You must [disable Mac sleep mode](#) to be able to continue record video.

## Users


IP Camera Recorder allows you to add new users, and change their passwords for extra protection.

By default, your IP Camera Recorder comes with one pre-configured user (User Name: admin, Password: admin).

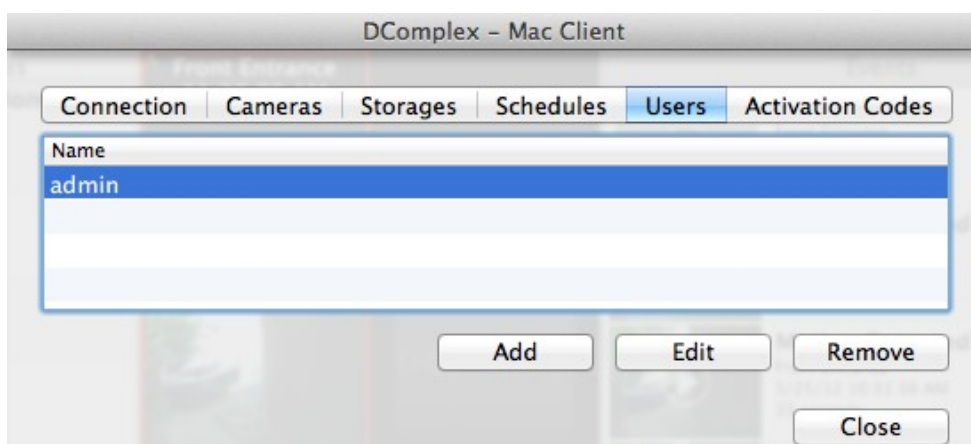
Note: All Users have Administrative Rights to the recorder with unlimited access.

### List of Users

To see all available users,

- Select the recorder,
- Tap the Edit  button,
- Select the Users tab,

The app will display all users available as a list.



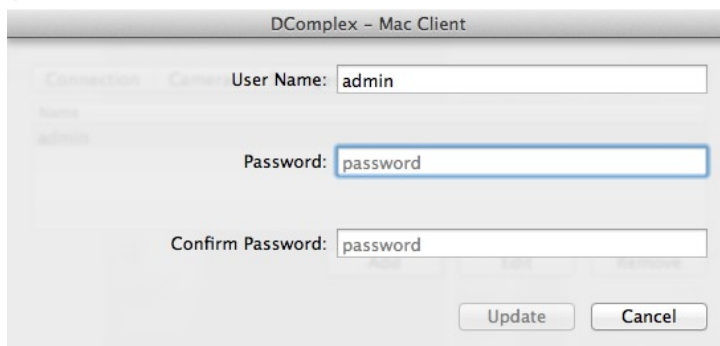
### Password Change

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 default password **immediately**. This way, no one can connect to the recorder but you.

To change password for any existing user,

- Select the user's name from the list of all available users,

- Tap the **Edit** button,
- Change the password.



The app will connect to the selected recorder and update its users information. Now, your IP Camera Recorder can only be accessed with the new password.

Note: At this time, if the app uses the user information you have modified to connect to the recorder, it will lose the recorder's connection due to the invalid password. Video streams from any cameras from the updated recorder will stop.

To update the app's [connection settings to the recorder](#),

- Select the **Connection** tab,
- Update the **Password** field accordingly, and
- Confirm.

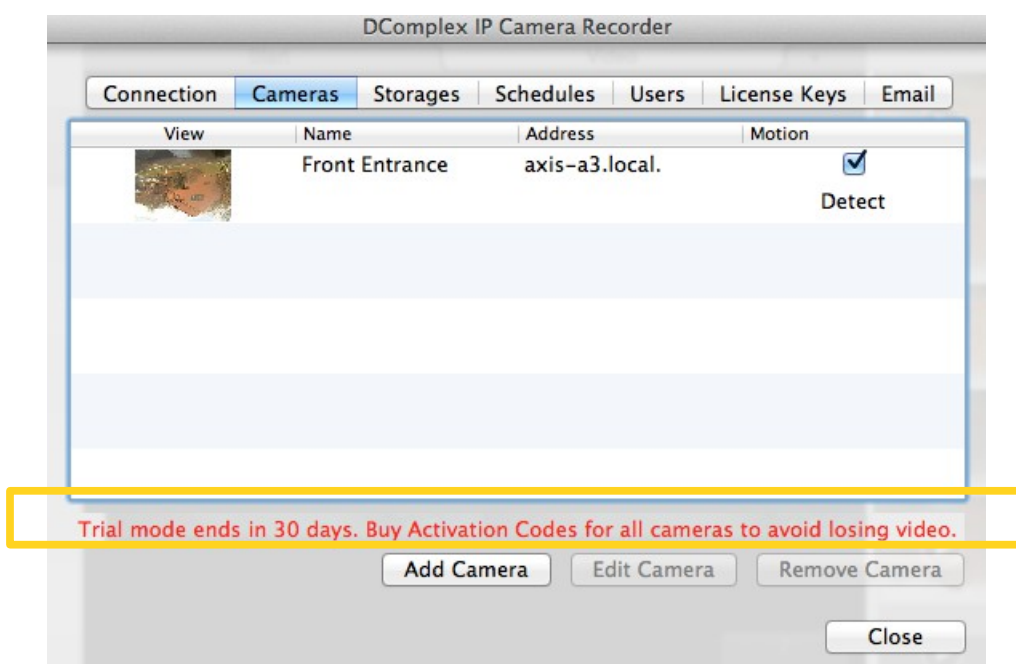
The app will try to re-connect to the recorder using new password now.

## License Keys

DComplex IP Camera Recorder software is available for download free of charge. However, IP Camera Recorder requires a valid Video Channel License Key for every IP Camera before it can stream and/or record video from it.

### Trial Mode


The Trial mode allows you to control two IP Cameras for FREE for 30 days. Notice the reminder about trial on your recorder's Cameras tab.



### List of License Keys

The app allows you to buy, activate and manage license keys for all your IP Cameras.

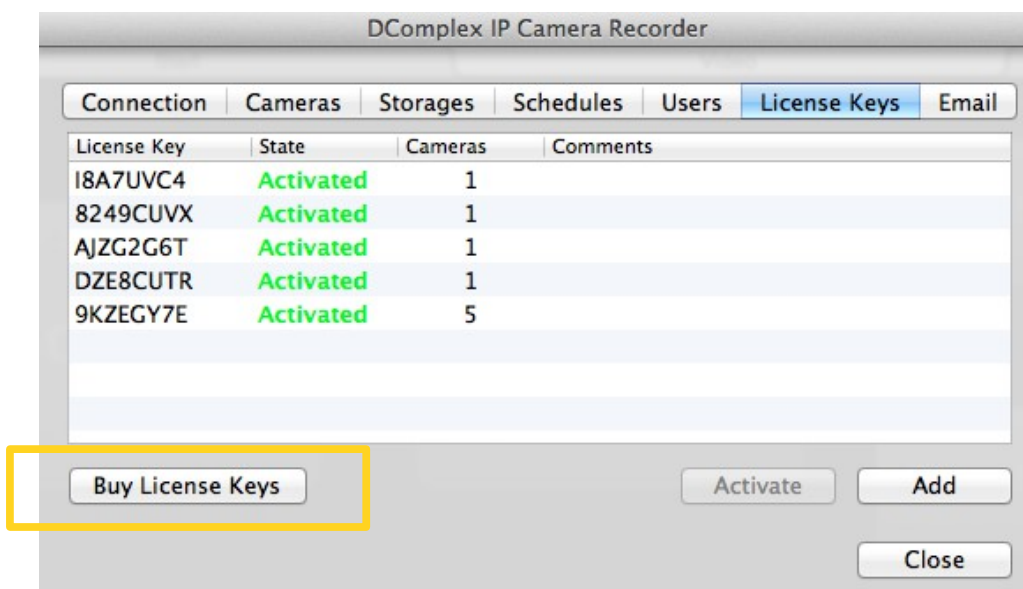
You can see all purchased license keys for any selected recorder.

- Select the recorder,
- Tap the Edit  button, and
- Select the License Keys tab from the Edit window.



## Buying a License Key

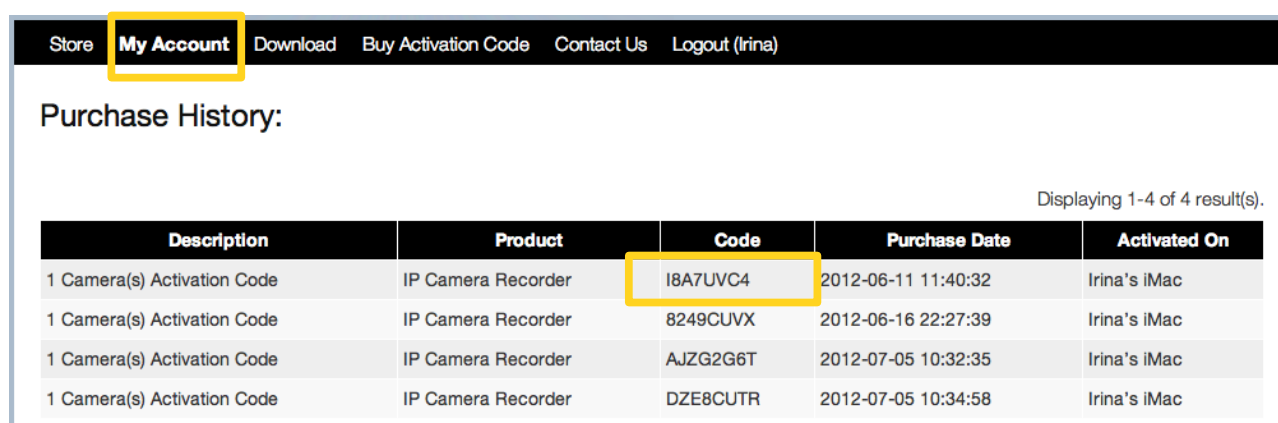
To purchase a new video channel license key, tap the Buy License Keys button.



You will be automatically forwarded to the DComplex Store's Login page.

- Login.
- Select the Buy License Key tab.
- Tap the Buy Now button and follow the on screen instructions.

You can always see your purchase history and find all your license keys under the My Account tab.

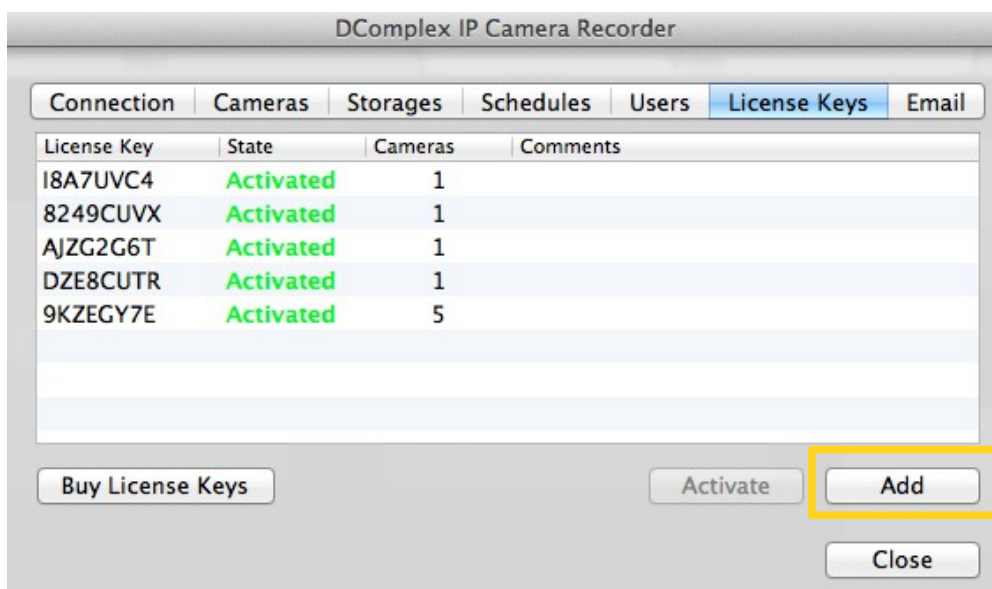


Your must [activate](#) the license key inside the app.

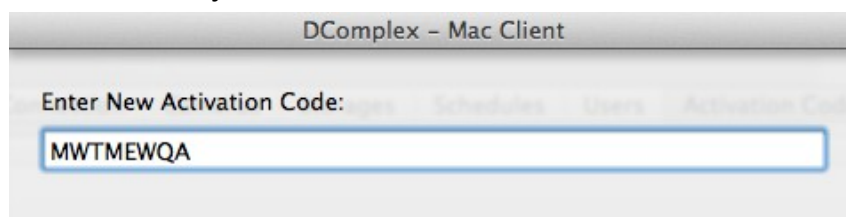
## Activation

To activate a video channel,

- Tap the Add button,

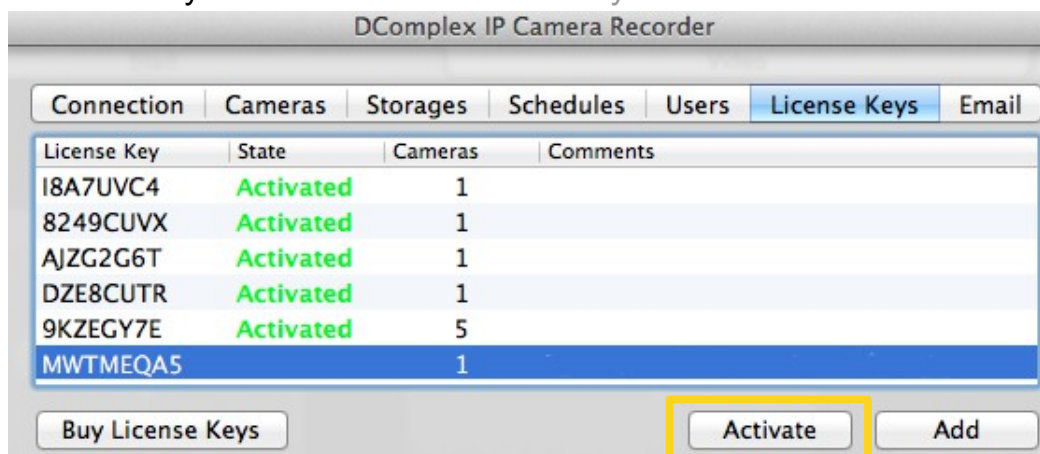


- Enter your license key:



- Tap the Add button and confirm.

You can see your new in the License Keys list now.



- Select your new license key from the list,
- Tap the Activate button.

The app will attempt to connect to the DComplex IP Camera Recorder to set new license key. It may take a few minutes especially if you are activating camera on a remote recorder.



- Tap the Close button to close the Information Message box.

You can see your new license key as being **Activated** in the License Keys list now.

You can [add more IP Cameras](#) to your recorder now.

## Monitoring Live Video

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

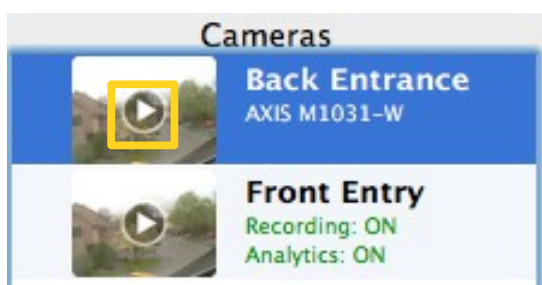
### **Live Video**

To watch live video from a camera

- Tap on the ► button in the middle of the camera video icon

Note: If there is no empty cells in your current layout, the camera will replace one of the displayed cameras.

Note: Each empty cell displays its order number.



or

- Drag the camera from the **Cameras** list into the desired cell.

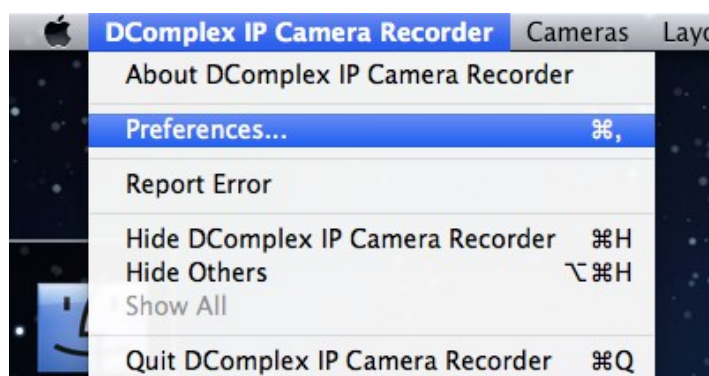
You should see the video from the camera now.

## Preferences

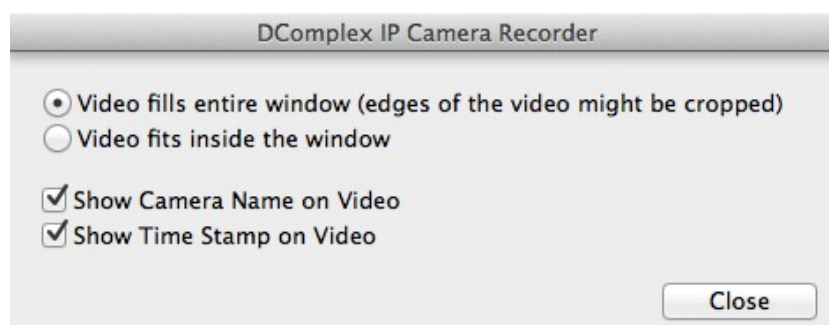
Video from each camera fills all of the cell's space. If the video from a camera is too wide or too high for the cell, it is automatically cropped to maximally fit in to the cell.

To change cropping,

- Access the Preferences menu item from the DComplex IP Camera Recorder menu on the top of the computer screen



- Change your preferences



- Tap the Close button.

All video windows will switch to the new mode of cropping.

In addition, the screen controls preferences for displaying camera names and current time on the video.

## Layout Templates

The app comes with multiple layout templates. It can display video in 1x2 grid, 2x2 grid, 3x3 grid, 4x4 grid. It also allows you to create your own custom layout template.

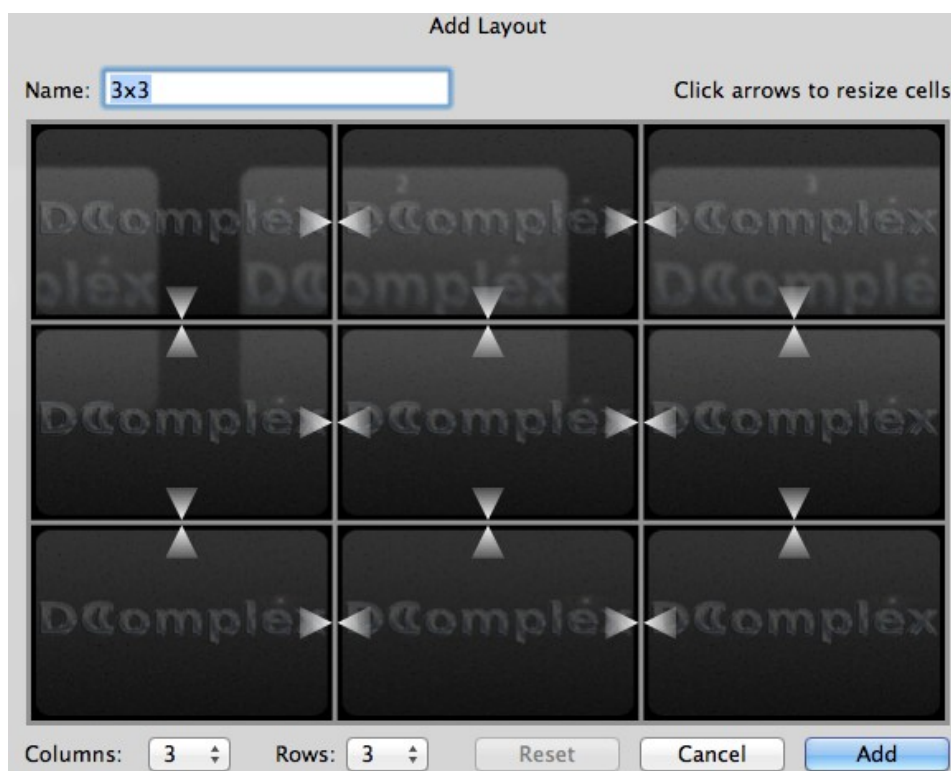
To change active layout template, use the Layout menu.

To create a custom layout template,

- Tap the Layout menu and
- Select Add ... menu item



- A new Add Layout configuration window will open



- Enter a name in the Name field that helps you to identify the layout template

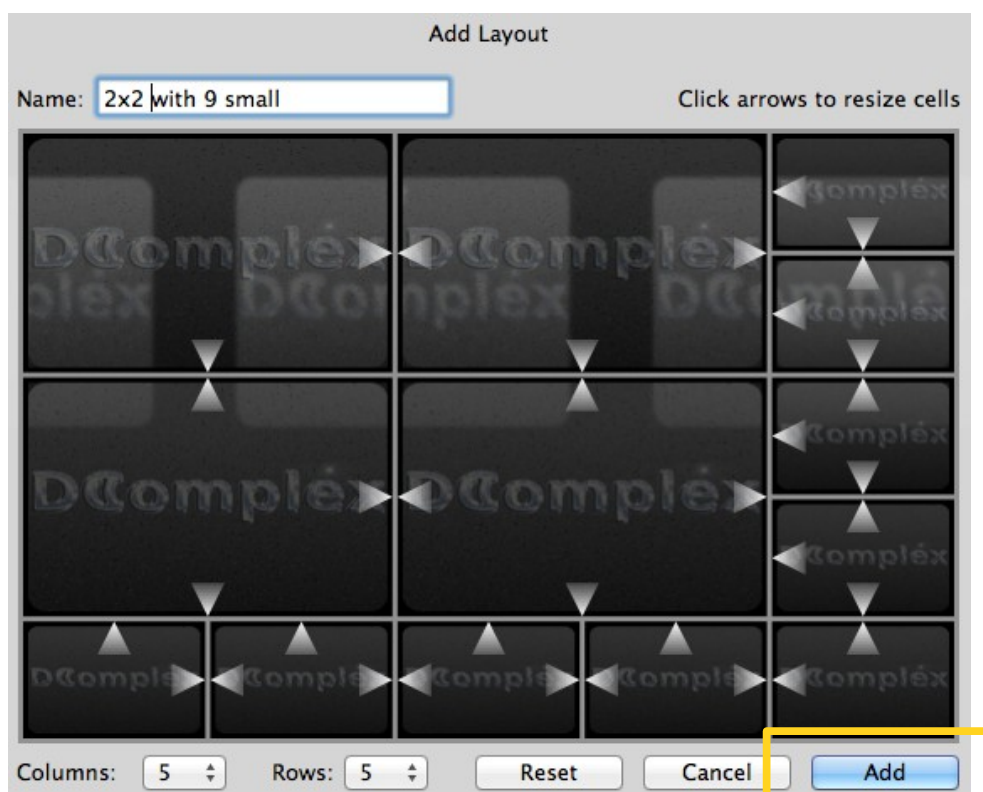
you are about to create, such as “2x2 with 9 small”.

- Reset your current view to one of the pre-configured templates to use as a base for your new layout template using Columns and Rows combo-boxes.
- Use white arrows inside the Layout Grid to change the cell's size.

Tap on any arrow to increase the cell's dimension in the direction of the arrow. The new cell will completely take over all cells right next to the arrow.

Note: You can only enlarge a cell. To start over, change either the Columns or the Rows for your new base template.

- When you are finished, tap the Add button.



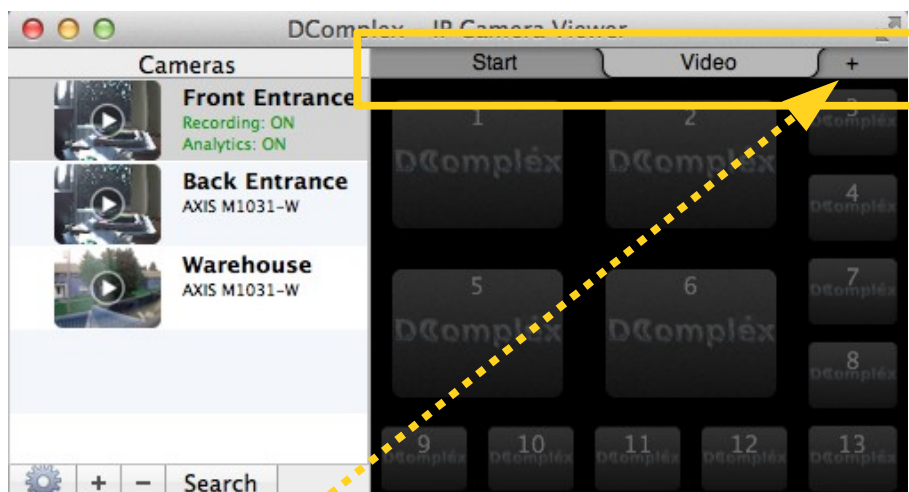
Now, you can select and use your custom layout template from the Layout menu.



## Multiple Cameras

The app allows you to monitor live video from up to 25 cameras simultaneously.

To accommodate video from large number of cameras, the app provides a way for you to organize it into separate Video Taps.



To add a new tab, tap the + button and provide a new name for it.



A new tab will appear.

- By default, the new tab inherits previously selected tab's layout. You can always [change active layout template](#) for any Video Tabs.

Each cell that displays video has camera name at the top and [toolbar](#) at the bottom.



## Toolbar

Each video cell has toolbar for managing video.



To display video toolbar, simply move the mouse into the video cell.


The toolbar automatically appear/disappears every time you move the mouse on/away from the video cell.

The toolbar has following buttons in order of their appearance:

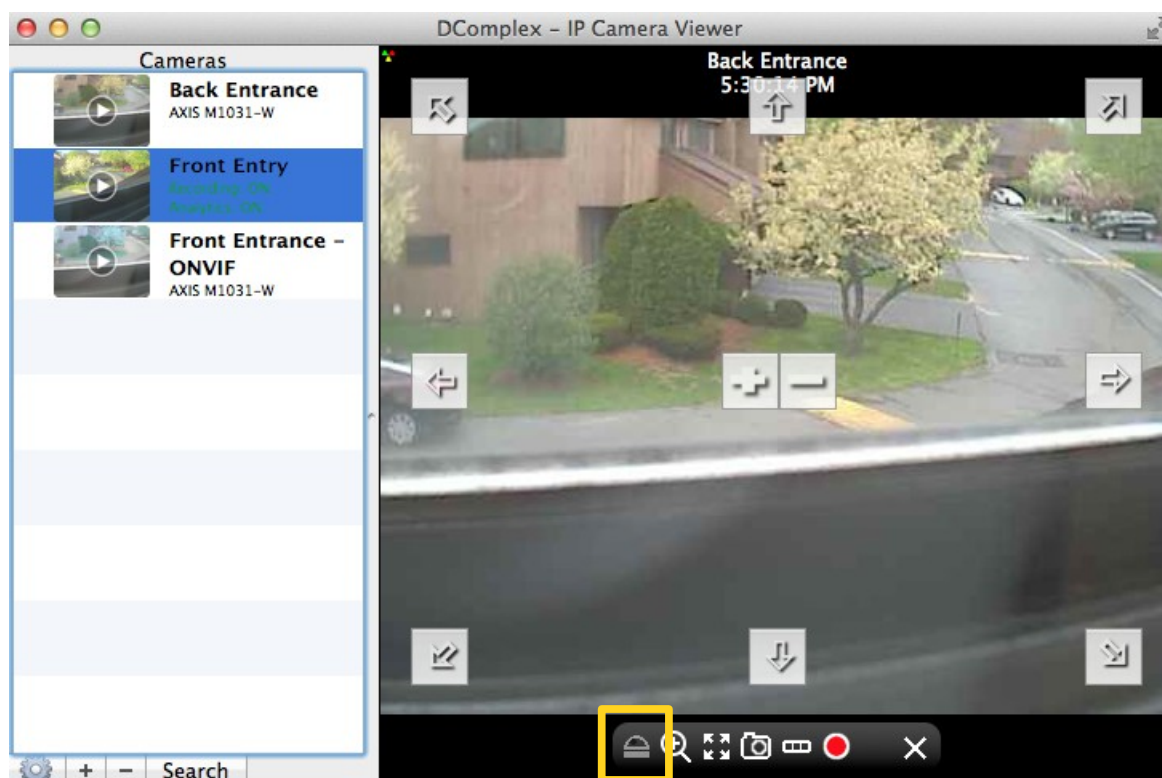
- [Camera PTZ](#): for controlling Pan, Tilt or Zoom on camera models that support PTZ functionality.
- [Digital PTZ](#): for controlling digital PTZ.
- [Full Window Mode](#): for displaying video from one camera with max dimensions.
- [Save Image](#): for capturing snapshots from a camera.
- [Time Line](#): for quick review of recent video activities from a camera.
- [Close](#): for removing a camera from a video cell.

## Camera PTZ

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

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

The PTZ button is a toggle button. Tap the button to see arrows that control PTZ. Tab it again to hide arrows.



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

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

Note: Camera PTZ functionality is only available when video cell is in the [full window mode](#). If the video cell is in the layout mode, activating camera PTZ functionality will automatically move the cell into the full screen mode.

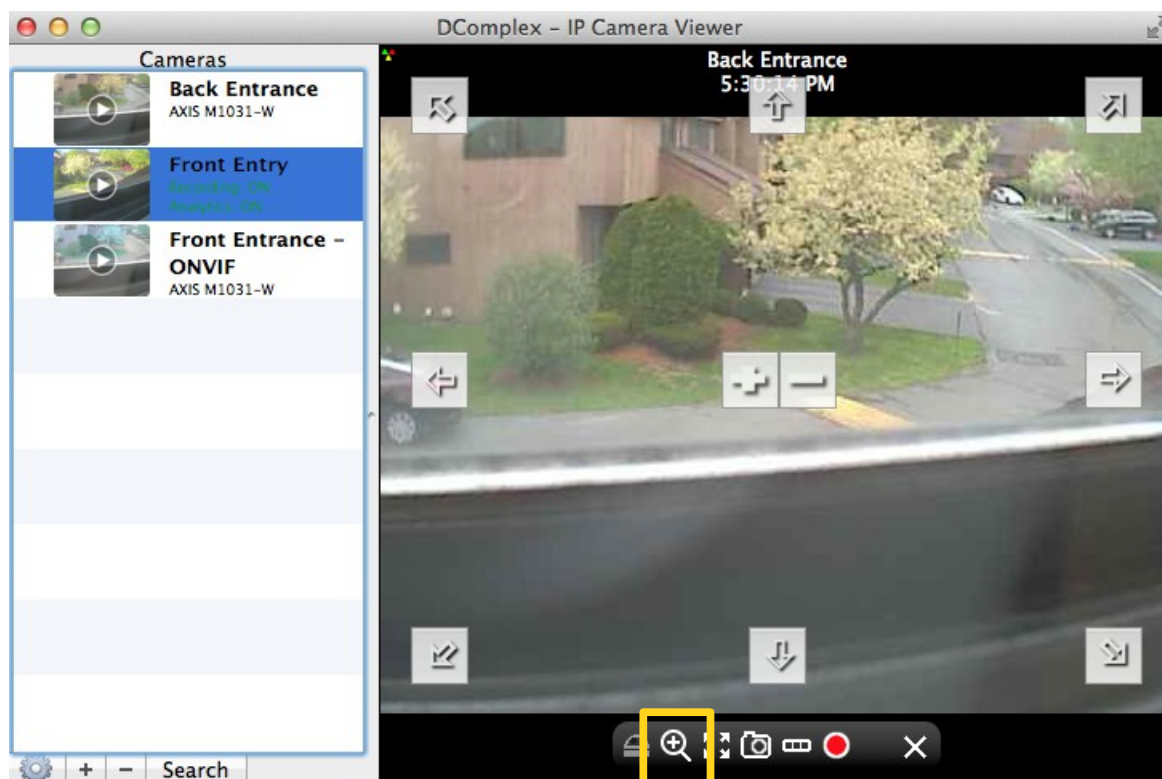
To return to layout mode, tab the Full Screen Mode button.

## Digital PTZ

Digital PTZ is available for any camera model.

The app always displays the Digital PTZ  button in the video cell's toolbar.

The Digital PTZ button is a toggle button. Tap the button to see arrows that control Digital PTZ. Tap it again to hide arrows.



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

Note: Digital PTZ functionality is only available when video cell is in the [full window mode](#). If the video cell is in the layout mode, activating digital PTZ functionality will automatically move the cell into the full screen mode.

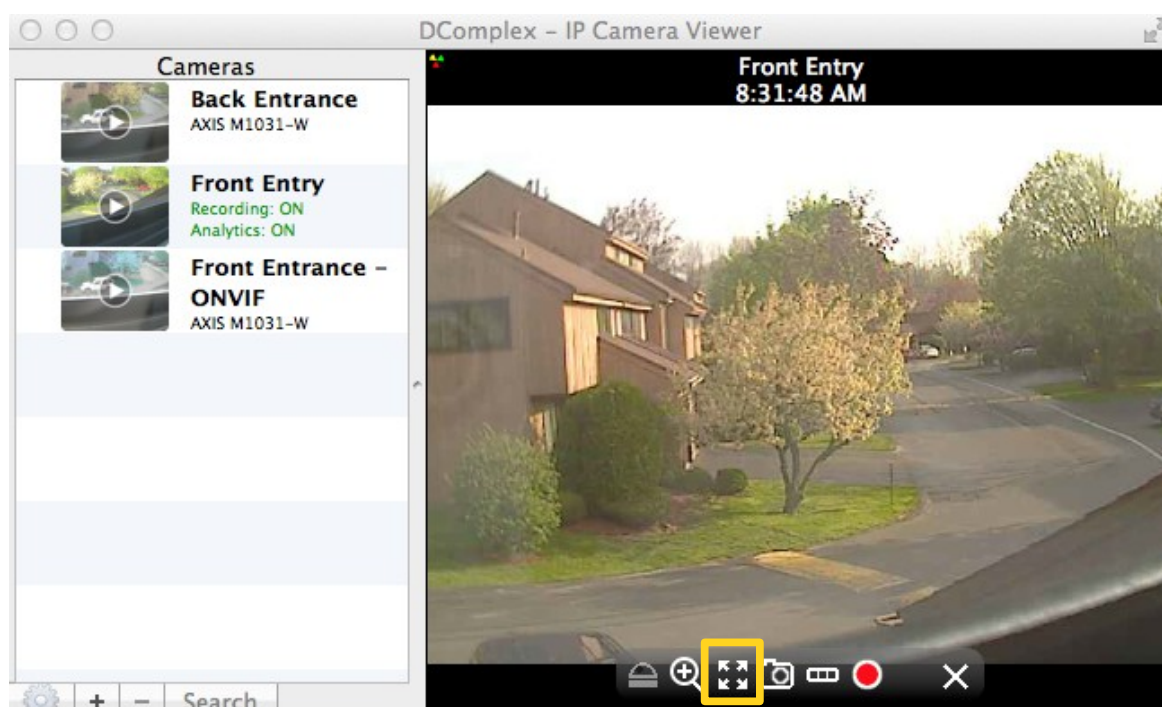
To return to layout mode, tap the Full Screen Mode button.

## The Full Window Mode

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

The app always displays the Full Window Mode  button in the video cell's toolbar.

The Full Window Mode button is a toggle button. Tap the button to see switch between full window and layout modes.



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

- PTZ
- Digital PTZ

If the video cell is in the layout mode, activating any of the above functionality will automatically move the cell into the full screen mode.

To return to layout mode, tap the Full Screen Mode button.

## Saving a Snapshot

The app allows to save an image from any camera.

The app always displays the Save Image  button in the video cell's toolbar.

Tap it to capture the snapshot from the camera. The captured image will be opened in the Preview app, where you could edit the image, or email it and etc.

The app automatically manages all exported images. Notice that now the camera has ► symbol before it in the Cameras list control.



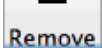
Tap it to see the Snapshots from the camera.



All your images will be stored in the Snapshots section under the corresponding camera.

You can open image any time by tapping on the ► button in the middle of the snapshot icon. The image will be opened by the Preview app.



You can remove any snapshot by selecting it and tapping the Remove  button on the top-left corner of the app.

## Scrubbing Live Video

The app automatically buffers video for up to 10 minutes for all displayed cameras.

Scrubbing live video functionality allows you to access and instantly replay that video from any camera.

The app always displays the Time Line  button in the video cell's toolbar.

The Time Line button is a toggle button. Tap the button to see recently displayed video.



Scrub the images with the mouse to find the desired time.

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

When you are ready to switch to live video, tap the Time Line button again.

### ***Closing a Video Cell***

You can easily stop displaying a camera from any video cell.

The app always displays the Close  button in the video cell's toolbar.

Note: Tapping the Close button will only STOP displaying video from the camera. It will NOT [remove the camera](#) from the app or IP Camera Recorder.


## Video Search

The IP Camera Recorder app provides Video Search functionality to search recorded video from any configured camera.

### **Launching Video Search Window**

You can launch Video Search window to see recorded video for any camera that has [video recording](#) and/or [video analytics](#) activated.

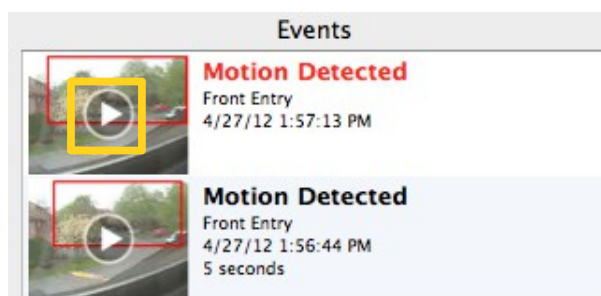
Once you have configured video recording on a camera, you can search recorded video for events from the camera. For this,

- Select the camera from the Cameras list, and
- Tap the Search  button in the top-left corner of the app screen.

The app will open the Video Search window.

If, in addition to video recording, you have configured video analytics you can also launch and view video from any event in the Events list. For this, select the event from the Events list and

- Tap on the ▶ button in the middle of the event video icon,



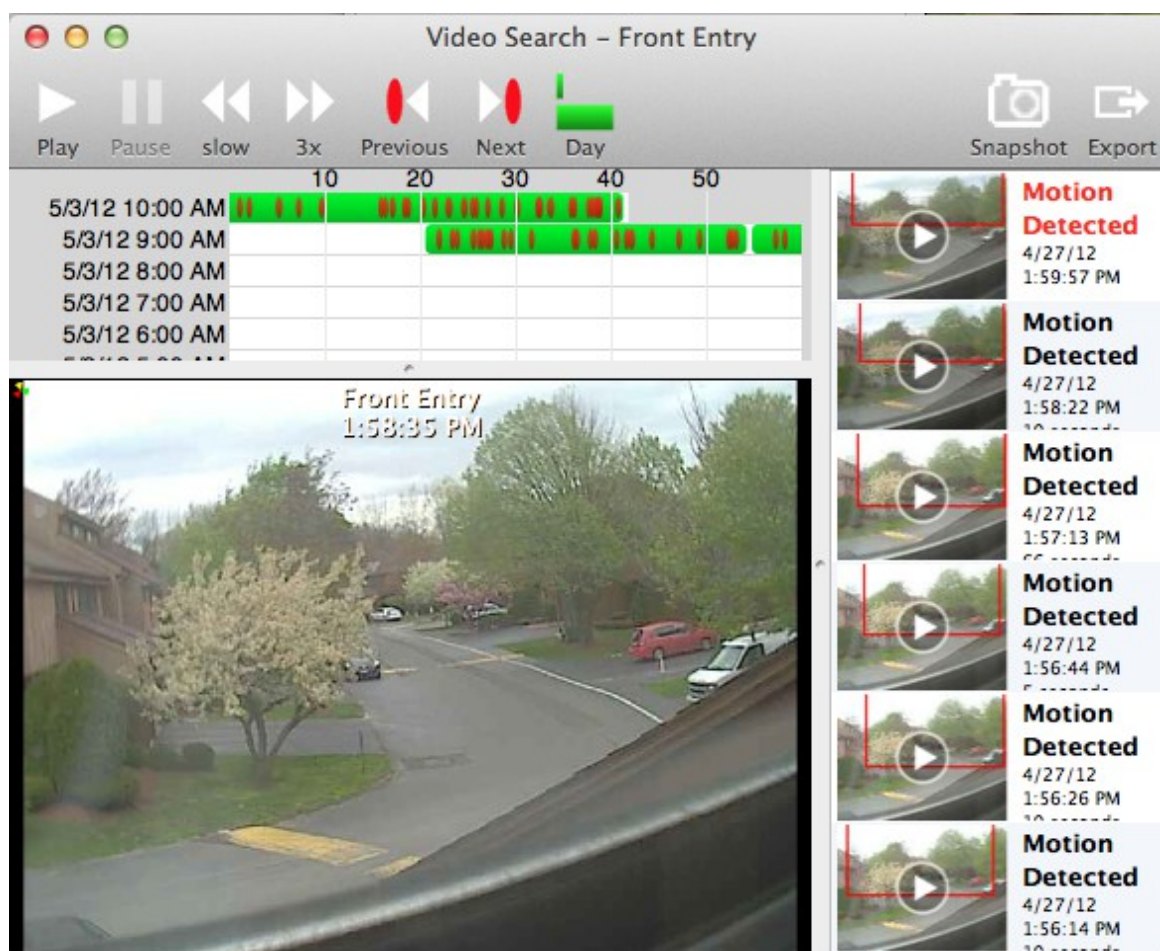
The app will open the Video Search window.



## Functionality Overview

Video Search window contains the following elements

- **Toolbar:** for navigating the Time Line and video
- **Time Line:** for graphical display of recorded video and events
- **Video Cell:** for playing recorded video
- **Events List:** for showing any events detected from the camera




## Time Line


Video Search window allows you to pick time from the Time Line control by tapping anywhere on it.

The Time Line can show video allocation time line in two different time intervals

- One Hour interval

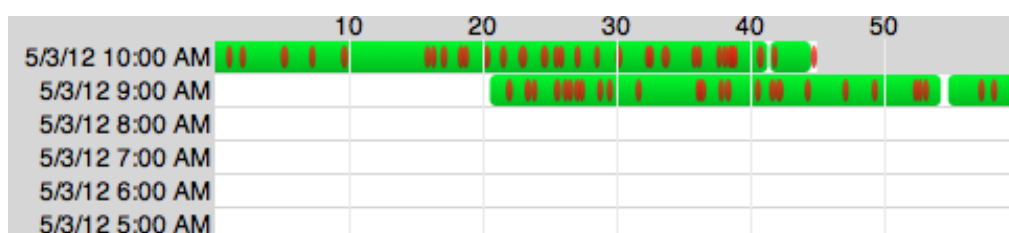
The toolbar will display  button. The Time Line control will show 1 hour time per line.

- One Day interval

The toolbar will display  button. The Time Line control will show 1 day time per line.

Use the buttons above to switch between different time interval modes.

Video is graphically marked on the Time Line using green for continuous recorded video and red for events.



You can scroll the Time Line all the way down to the first available video.

Once you have selected the time from the time line, video cell will start [video playback](#) from that time automatically.

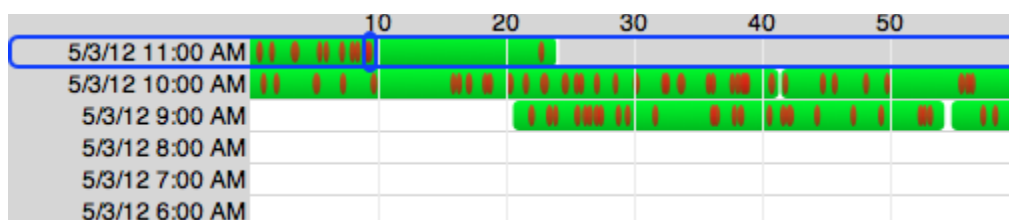
You can navigate between to the closest events next to the selected time by using button below.



## Events List


Video Search window allows you to search through all events from the camera, and/or export any event or any video clip.

Event list has all events generated from the camera for the time selected in the [Time Line](#) control. You can see the selection as blue rectangle.



Tapping on any other lines will switch the selection. Every time you do it, the Event list will be refilled with updated events from the selected time frame.

Simply selecting an event from the Events list will automatically

- Mark the event position on the time line  and
- Start video playback from the event in the video cell control. The video playback will play for the duration of the event and then stop automatically.

Video Search window allows instant export of any selected event.

The window always displays  button in its toolbar.

Tap it to open the configuration window below.

Start time: 5/ 3/2012 11:35:23 AM

Duration: 15 seconds

Cancel Export

The event will be opened by the QuickTime Player app. It allows you to play back the movie, email it and etc.

## **Playing Recorded Video**

Video Search window allows you to search through all video from the camera.

Once you have selected the time from the [Time Line](#) control, it start video playback from that time automatically.

You have the following controls in the toolbar to help you search recorded video.



Video Search window allows to save an image of recorded video from the camera.

The window always displays the Snapshot  button in its toolbar.

Tap it to capture the snapshot of the recorded video. The captured image will be opened by the [Preview](#) app.

## **Other IP Camera Recorder Features**

### ***E-mailing Technical Support***

If you need help with the IP Camera Recorder app, you can use the menu 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 IP Camera Recorder, please send email to [support@dcomplex.com](mailto:support@dcomplex.com)