Axxon Monitor

by DComplex LLC

User Manual

This document has the latest documentation about the Axxon Monitor, iPhone/iPad app by DComplex LLC, for monitoring Axxon Intellect Video Management System.

Download Axxon Monitor app from Apple App Store:
http://itunes.apple.com/us/app/axxonmonitor/id395441090

Axxon Monitor 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

Axxon is a global leader in the area of converging technologies.
cnbtec.com

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How to Prepare Axxon Server

Activate Axxon Web Server

Axxon Intellect includes a Web Server.

In order to activate it, add it to the system as shown on the following picture.
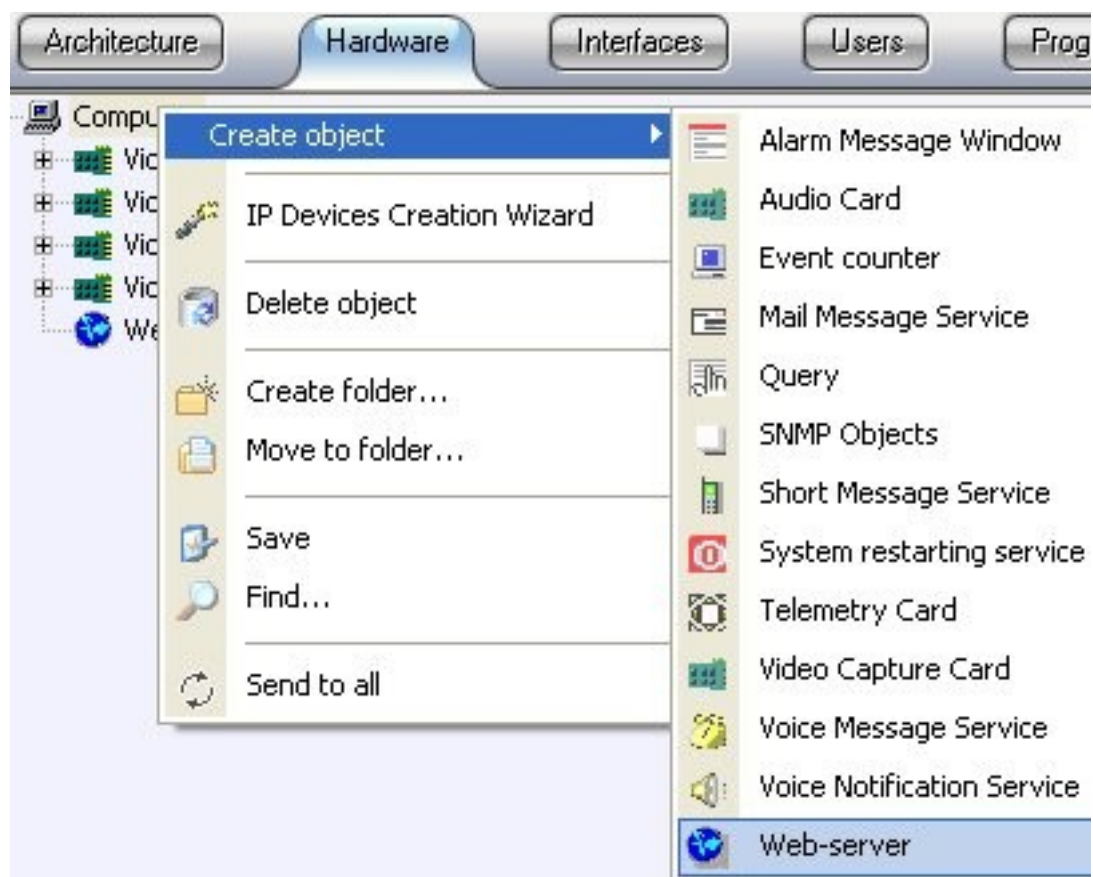
Once the Web Server is added to the system, configure it.

The main settings are the port (highlighted in the red below) and the list of cameras that will be available through the Web Server.

To configure, select the Web Server item in the hardware tree:

Then adjust the configuration on the details panel:
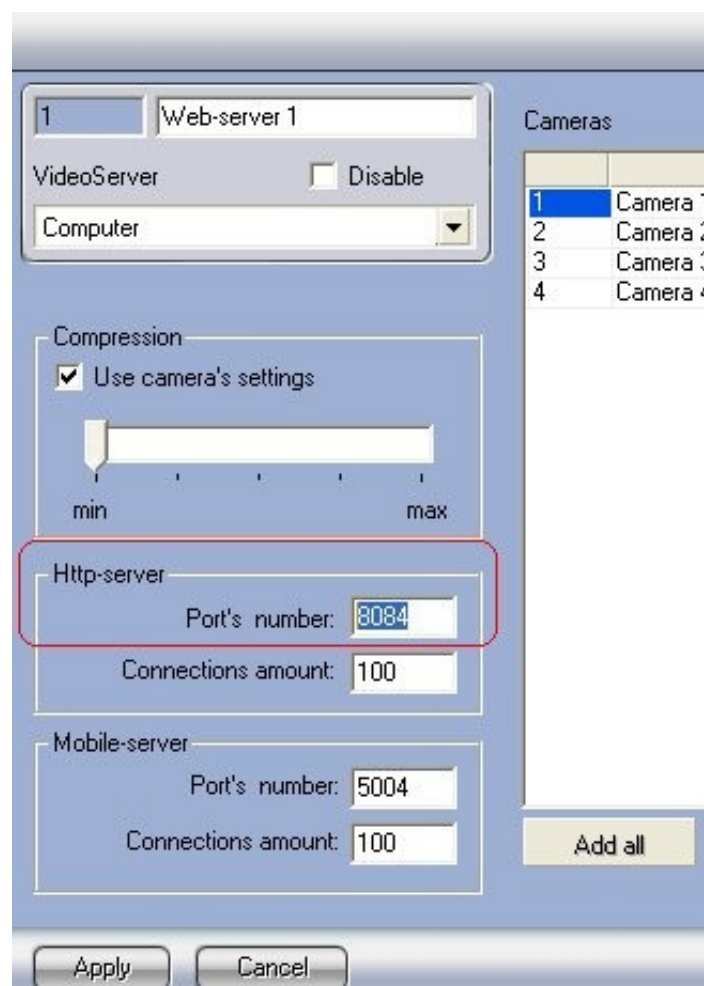
Validate Axxon Web Server on the PC

Once you have Axxon 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:8084 .

You should get a web page that looks similar to this picture:
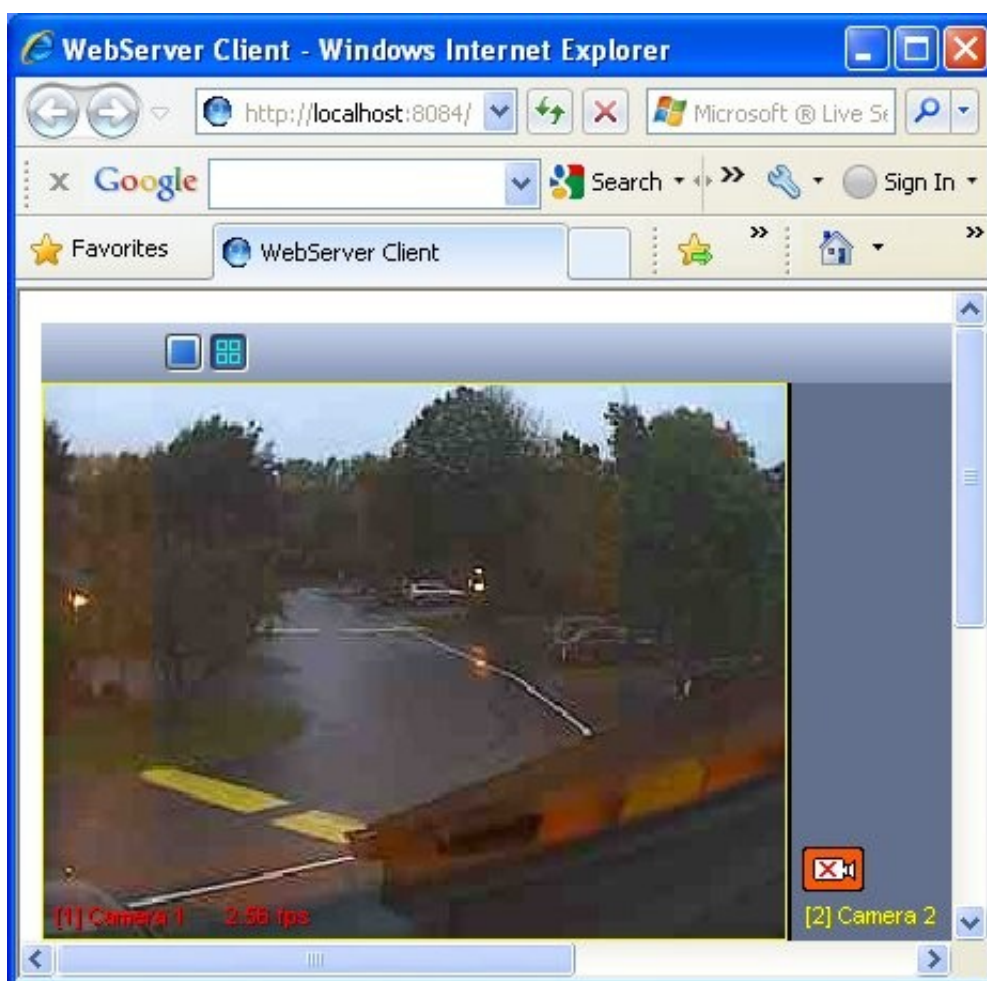
Validate Axxon Web Server from Your iPhone/iPad

Once you can access the Axxon 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 Axxon Monitor 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://1.1.1.1:8084.

You should get similarly looking Web Page:

Protect Your Axxon Web Server

If you use your Axxon 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 Axxon Monitor

The First Launch

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

Go ahead and tap the "Axxon" item to continue. The app will show New Device screen as shown below.

Enter the data about your Axxon Web Server and tap "Save" button.

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 Axxon Web Server works on another port, set the port field to the appropriate value.

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

Tap the Save button when you are ready. The app will connect to the Axxon Web Server and download the list of cameras.

This screen contains following items, from top to bottom.
- The back button named "Web Servers": it allows you to go back to the previous screen.
- The name of the server on top (in the picture it is "dyn")
- 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.
  - The PTZ indicator for PTZ cameras.

Touch a camera to see live video from it.

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 will 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)

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.

Toolbar

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

The toolbar has following buttons.

- Add Camera. Tap it to access on-screen camera list.
- PTZ. Tap it to Pan, Tilt or Zoom cameras.
- Layout. Tap it to select the layout to display multiple cameras in 2x2, 3x3 or other camera matrix as needed.
- Settings.

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 leave the full screen mode.

Monitoring Multiple Cameras

Axxon Monitor 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

Axxon Monitor 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 Axxon Monitor is not in 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.

Taking a Screenshot or E-mailing Image

When you hold your finger on an image for about one second, the Axxon Monitor displays following on-screen menu.
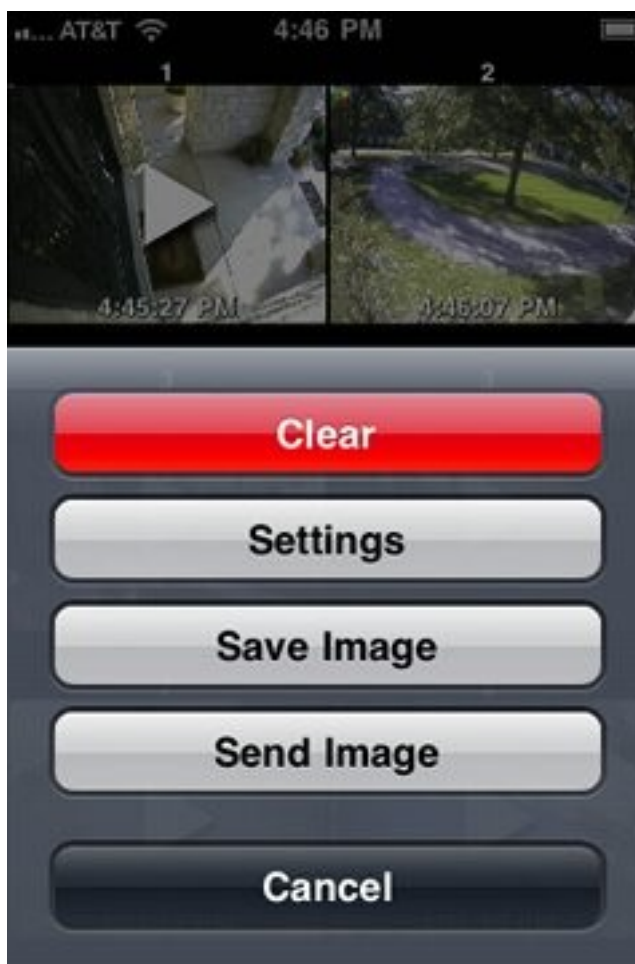
This menu will be displayed regardless if the current mode is full-screen or not.

- Clear: stop displaying video from the camera
- Settings: tap to configure a 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.

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 Axxon Monitor 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.

In order to access the details of the recent errors, open the Settings screen by tapping the More button, if you are on the main screen. Or use any other way to get to the Settings screen:

Now tap the Help button and then select Technical Support - email item. The recent error details will automatically be added to the email.