



# Thin Client

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User Manual

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## Introduction

Quadrox Thin Client is a multi-platform web-based application which allows customers to see video from surveillance cameras from any location — local or remote. Thin Client works only with Quadrox WebCCTV/QGuard software to provide the best user experience with friendly and intuitive navigation.

Thin Client is built for quick access to cameras and allows user to see “Live streaming” and “Playback video” in real time. With easy-to-use time selection controls you do not have to look up through the whole playback of the day, you just choose the exact hour and you get the video of the desired period of time.

Thin Client can be run on /PC/Tablet devices and OCs Android (starting from 4.2.2), iOS (starting from 4), Win10 etc. and all popular browsers.

### Key Features:

- Live View in real time to be aware of situation
- Ability to watch video in Single View or Mosaic View mode
- Playback function to look through recorded events by date and time
- Search field to find the exact camera from the list
- Snapshot function to save a still image from video stream for further investigation
- Access from desktop and mobile devices
- Ability to add multiple servers to check events from different places
- Ability to use Thin Client from remote locations using the external IP/DNS name as well as locally via local IP address

### UI Glossary

- Single View mode — mode when main window shows video from one camera
- Mosaic View mode — main window displays video from multiple cameras at the same time
- Live Mode — main window shows live stream from a single or multiple cameras in real time
- Playback mode — SingleView mode shows playback video in the main window. It also has a player with controls of play/pause and fullscreen buttons
- PTZ controls — set of buttons to pan, tilt or zoom a camera. It will only appear if camera has PTZ functionality
- List of added servers — list where user can add new server or modify already existing

## 1. Installation

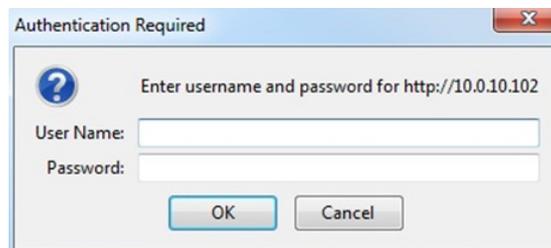
Thin Client is already included in WebCCTV/QGuard core, starting from 6.5.2.0 version. For any actions with Thin Client, .NET 4.5/5 needs to be installed on the machine. In case the component is absent, WebCCTV/QGuard will ask about installation of the framework during the next product update.

## 2. Interface Overview

### 2.1. First Start

Thin Client software is installed along with WebCCTV/QGuard video server, so the only thing you need to start working with Thin Client is valid external IP-address.

After the first launch of the site, you will see a window as shown below:



To use Thin Client you should type Windows user credentials, which are used to access the server machine.

### 2.2. Controls

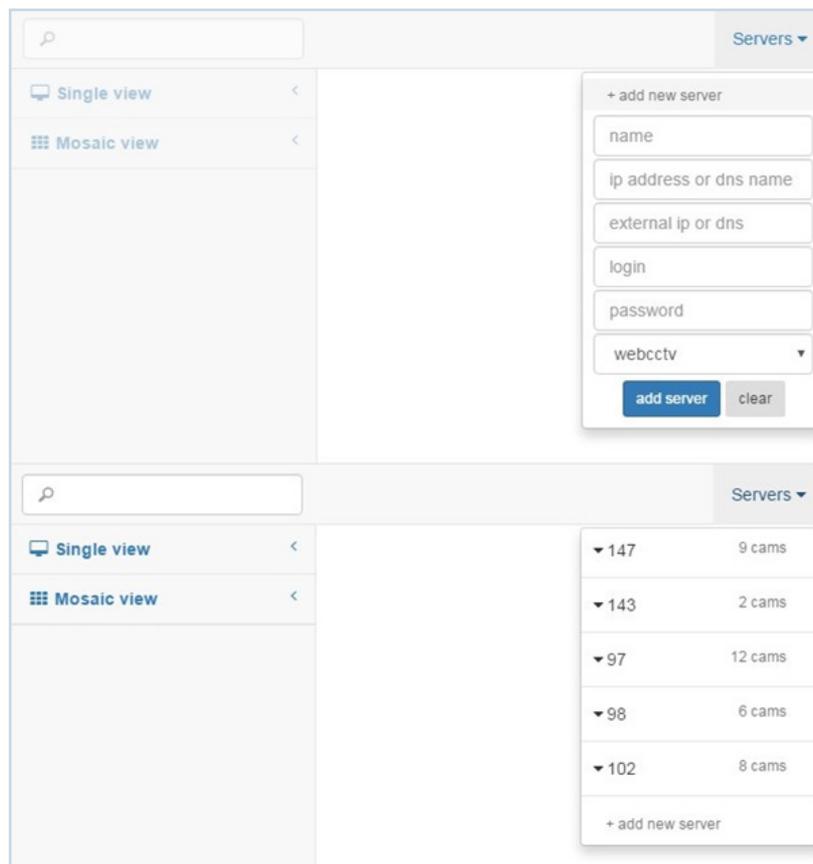
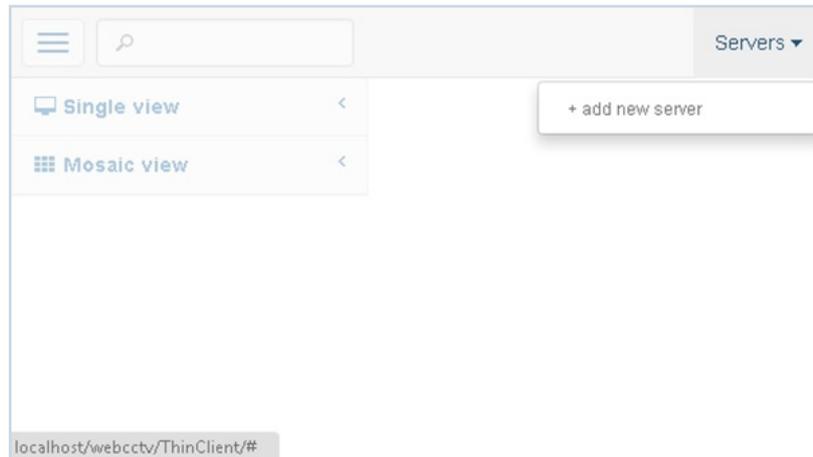
After the successful login you will see minimalistic, yet intuitive and easy to understand user interface.

Since Thin Client is one page web-based application, all its functions are located in certain blocks on the main page of the site.

#### After uploading the site user will see the following features:

- SingleView — expands or collapses the camera list and allows to start Live and Playback video by clicking on the corresponding buttons.  
With multiple servers in list, all cameras will be combined into groups by server's name
- MosaicView — expands or collapses the list of configured mosaics and allows adding a new mosaic.  
Mosaic list is stored on the client side, so it is unique for each client device and it is initially empty
- Search function — allows filtering the camera or server list by typing a part of its name in the search field.  
Search results will be displayed in the camera list

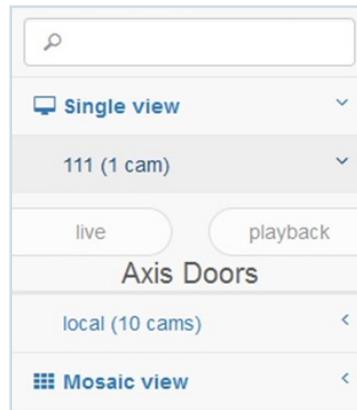
- Server's button — expands or collapses list of added servers to Thin Client and allows user to see cameras which are located in different zones in one place. It is allowed to edit server credentials if needed or remove servers from the list. It also contains “Add new server button” which opens form for adding new server to the list
- Add new server button — open form of adding new server to the list. It appears separately only after the first launch of Thin Client, after that the button is built-in in the form of adding/editing servers



### 3. Single View

Single View mode consists of camera list grouped by server. Each camera list contains buttons for switching between Live and Playback mode. All cameras which appear in camera list are configured on WebCCTV/QGuard side and cannot be changed via Thin Client settings.

To access the cameras you should add all of them using WebCCTV/QGuard video manager tool. For more information on adding and configuring cameras please refer to WebCCTV User Manual.



#### 3.1. Camera List

Camera list is the main field in SingleView. It contains thumbnails for each camera with the camera name, Live and Playback buttons. If total amount of all cameras is more than 6, camera names are shown without thumbnails.

To see Live video from a camera, click on the Live button on the corresponding thumbnail or camera name. To playback recorded video from a camera, click "Playback" button to open a date and time selection calendar.

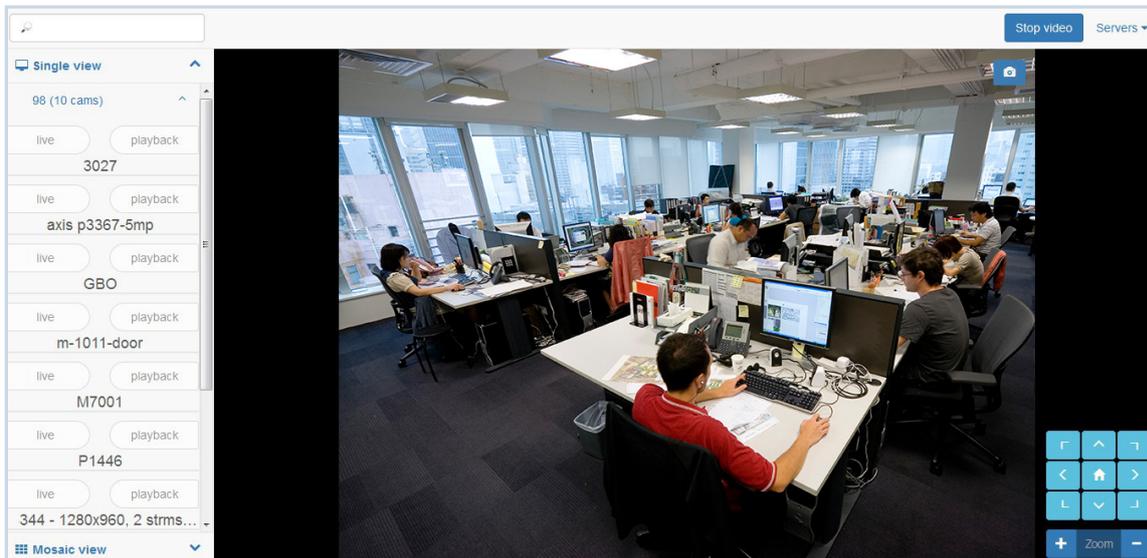
#### 3.2. Live View

Live View allows user to see live video stream from the certain camera. If you want to start live stream, all you have to do is just to click on "Live" button or thumbnail of the chosen camera. Live View will also start if you drag and drop camera into the main window.

##### Live View mode has the following features:

- Full Screen — mode which allows to show video on fullscreen (available on desktop versions only). It will open after clicking on the main window
- Screenshot — function which creates screenshot of the main window and allows you to examine the picture later. For more convenient usage it already contains information about server, camera name and time of the screenshot in its title. Button is located on the right upper corner and it is available on desktop and mobile version (depends on the browser). To save screenshots on mobile device that does not support this function, you should use your phone tools such as screensaver

- PTZ-controls — buttons for moving and zooming camera view, located in the bottom right corner. It will appear if camera has PTZ-function
- Stop video — this button stops any Live or Playback video from the camera that streams in the main window

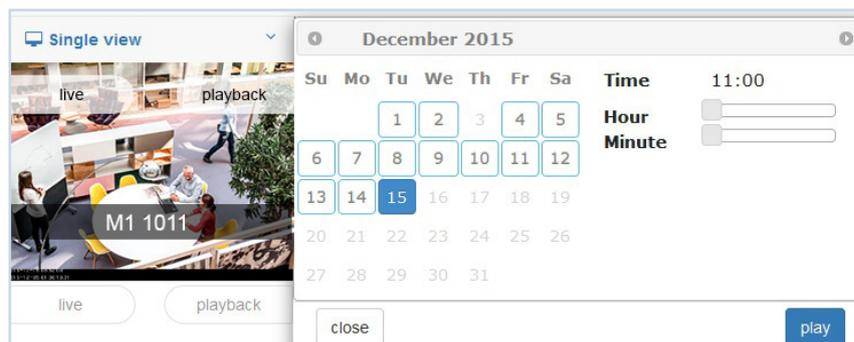


### 3.3. Playback

Playback mode is one of the most important functions of surveillance cameras, allowing user to check recordings from a certain camera. Thin Client has very minimalistic interface, thus for operating in playback mode, you have only two main features: calendar and video player itself. If you want to use such functions as Smart Search, Multi-Playback and Movie-Export, please use full WebCCTV/QGuard client.

### 3.4. Calendar

For choosing the exact day and hour of your incident, Thin Client has special Calendar function. To find the exact recording you can select Month and Date in the Calendar, and move Hours and Minutes sliders to the desired position. If the date contains no recordings, the button will be unavailable, so you can easily see the dates where there are existing recordings.



After choosing the date and time of the incident you want to review, click on “Play” button. After it playback video will start in the main video. If you do not need the Calendar anymore you can close it by clicking on “Close” button.

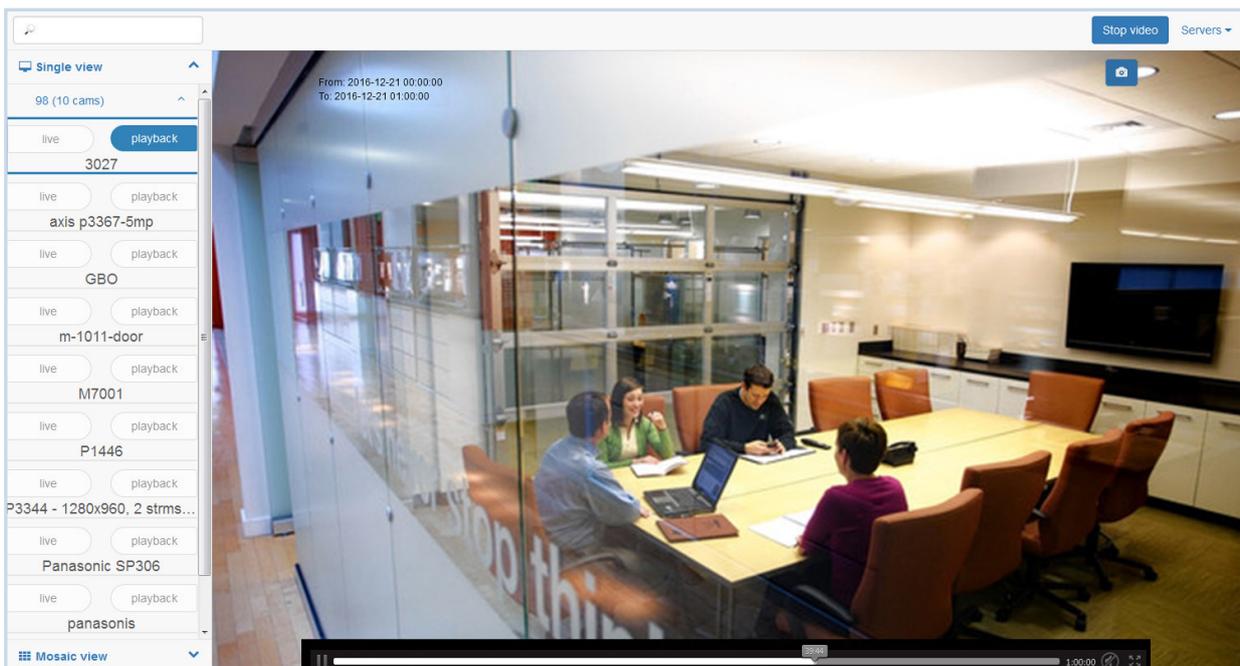
## 3.5. Player

Player starts playing video from the date and minute you chose in the Calendar. By default the sliders are positioned at the date and time of the earliest available recording for the chosen date.

Each video is limited to 60 min (by default). When the current video comes to an end, next video will be loaded. Both versions of Thin Client have identical behavior, so it will be easy for you to work with player on desktop and mobile clients.

### Player contains the following controls:

- Play/Pause — function that allows user to pause the playback or continue playing if it was paused for some reason
- Player slider — helps user to put playback to see what has happen in certain moment during the chosen period of time
- Duration indicator — displays the exact length of the playback that was chosen in certain period of time (depends on the browser)
- Fullscreen mode — allows user to maximize video window and to see all details more clearly. Available only for desktop version of Thin Client

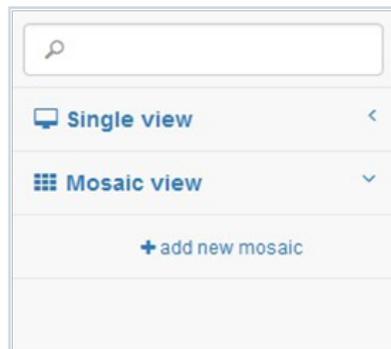


## 4. Mosaic View

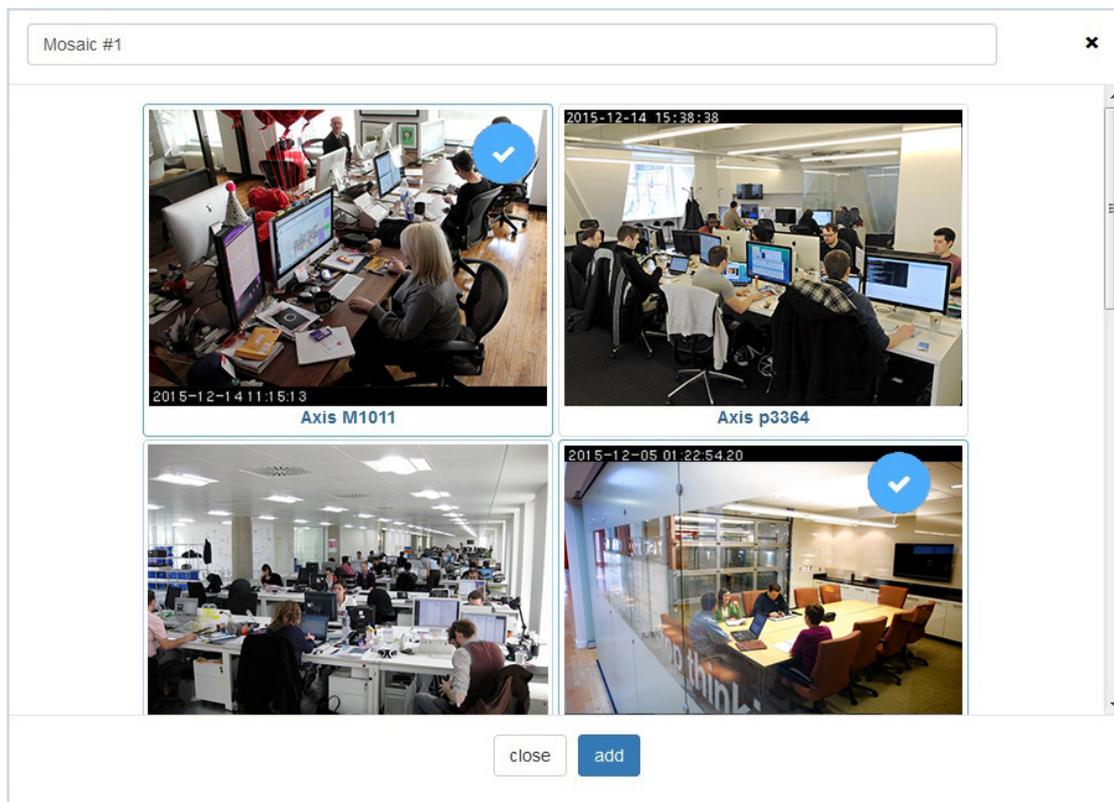
If you want to see video from more than one camera in the main window, Thin Client contains Mosaic View function which allows doing so.

### 4.1. Add New Mosaic Template

After opening Mosaic View for the first time you will see “+ add new mosaic” button only. All mosaics you create on this particular client device will appear in this list. Please note that all mosaics are unique to client devices where they were added, so you can have different mosaics on your mobile device and on your PC.



By clicking the “+ add new mosaic” button you will see a new window which allows you to choose the cameras you want to see simultaneously on the screen. Cameras from different servers will appear in certain block, related to servers’ name.



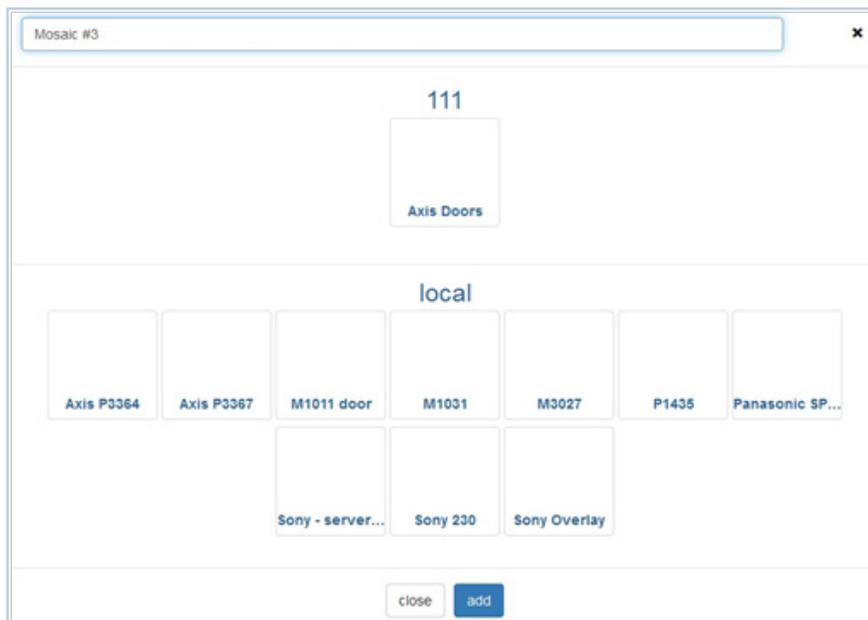
### ⚙️ New pop-up window for creating all types of mosaic templates has the following features:

- List of available cameras — a list of the cameras connected to the server
- Mosaic name field — you can give any name to a mosaic. By default the mosaic is created with “Mosaic #...” name
- Add button — click on this button to confirm adding the new mosaic. It will be added to the Mosaics list under “+ add new mosaic” button
- Close button — closes the pop-up window without creating any mosaics
- “x” button for closing pop-up window — actually have the same behavior as “Close” button
- If more than one server is added to the list, each server will be separated by thin line, combining cameras from the certain server into blocks

To add a mosaic you need to select at least two cameras from the list.



**Remember, if total amount of all cameras is more than 6, camera names are shown without thumbnails**



## 4.1. List of Mosaic

List of created mosaic templates are displayed below the button “+ add new mosaic” and it shows all types of mosaic templates which were created by user before. All mosaic templates in list are sorted in alphabetical order which helps user easily find the correct mosaic.

If you created mosaic template accidentally or it contains, for example cameras that already have been removed, you can always delete it by clicking on “x” button, which appears next to the name of each template.

