



CUBITECH LTD

CubisNX[®] Client



User Manual



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WELCOME

The User Manual you are holding describes the basic use of the Cubis NX, which is composed from Cubis NX Server and the software provided, CubisNX Client. Even though you are not obligated to have special knowledge on CCTV systems, this doesn't mean that the User Manual apply to beginners but to people that have basic knowledge of computer systems.

The information provided will help you easily use the program. After you read this User Manual you'll be able to see and hear live or recorded Video and Audio¹, export footage and perform basic settings on the system.

WHAT IS CUBISNX SERVER

CubisNX Server is the Central Monitoring and Digital recording CCTV station. It can be equipped from 4 to 32 camera inputs, while the internal LAN card and the internal ISDN or external xDSL modem can multiple the cameras that the system can control, giving the option to monitor even more cameras. In case of more than 32 cameras in one place multiple Cubis NX Servers can connect and work together as one Site.

WHAT IS CUBISNX CLIENT

CubisNX Client is the software that controls CubisNX Server. The users have to use the CubisNX client to connect to CubisNX servers and monitor the cameras or see recorded footage. The users with advanced access can do several changes to the system and camera settings or even create reports.

¹ Since the Server supports audio.



RECOMMENDED CONDITIONS FOR INSTALLING CUBISNX CLIENT

The proper conditions for installing CubisNX client are the following:

PC WITH:

1. Pentium III 1GHz with 128MB RAM and above.
2. VGA supporting DirectDraw™.
3. O/S Windows XP™ or Windows Vista.
4. Direct X 9.0c Drivers and above.
5. ISDN line with ISDN modem or ISDN terminal Adapter. (If the remote system will be used over an ISDN line)
6. At least one Data ISDN channel available.
7. CubisNX Client.

NOTES

DIRECT X

The DirectX 9.0c drivers are included in the CubisNX Client CD.

ISDN

With the ISDN line provided usually we can have:

1. Two (2) analog lines (PSTN) **or**
2. One (1) analog and one (1) data **or**
3. Two (2) data lines 64K.

For the CubisNX client to connect to a CubisNX Server there must be at least one (1) Data line available. There shouldn't be:

1. A Digital ISDN telephone Box that blocks both data lines.
2. Using both channels at the same time.



STARTING

The login screen will be displayed every time you start CubisNX Client. To login, type your personal username and password and click Sign in.



The default username and password is:

User Name	:	admin
Password	:	cubitech

This username and password is suggested to be changed after your first login to the system.
On how to change the username and password please refer to page 17.

If you wish CubisNX Client to memorize your login information you will have to select the auto login function. This results to saving the last username and password you have used and to be used without having to enter your login information again.

Notes: The username and password you will enter to CubisNX Client will be used for authoring to CubisNX server. You can use whatever username and password you wish but in order to connect to CubisNX Server you already have to enter your login information to CubisNX Server. Either way the access will not be granted.

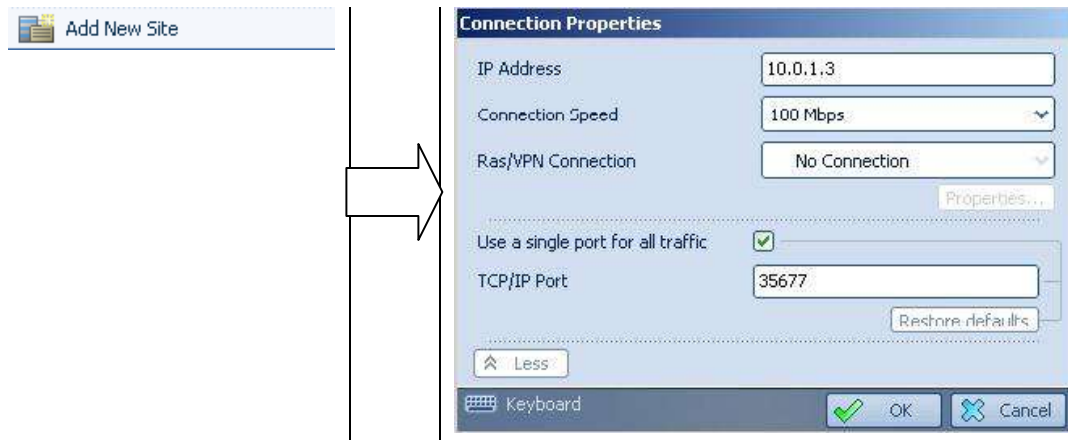
STARTING THE PROGRAM

On the first start of CubisNX Client there is no site created. You should create a new and use the remote site info to connect.

Creating a new connection for use with LAN

To connect to a CubisNX Server you should follow the following procedure:

Start CubisNX Client. On the left side of the monitoring screen there is the active connections panel. Right click anywhere there or just click on the New Site button to create a new connection.



The Connection Properties tab is displayed .

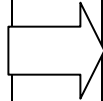
Each connection has a set of properties that you have to setup:

IP Address	:	Enter the IP Address in which the Cubis NX server is . The format is usually xxx.xxx.xxx.xxx . i.e: 10.0.1.3.
Connection speed	:	Enter the true connection speed like 10Mbps or 100Mbps. That speed depends from your LAN Speed.
RAS/VPN connection	:	Select No Ras Connection.
Use Single port for all traffic	:	All traffic will be routed from one port only (Default is checked).
TCP/IP Port	:	The port from which all traffic will be routed (Default port is 35677).

Creating a new connection for use with WAN

To connect to CubisNX Server using your internet connection you should follow the following procedure:

Ensure that your PC has access to the internet. Start CubisNX Client. On the left side of the monitoring screen there is the active connections panel. Right click anywhere there or just click on the New Site button to create a new connection.



Connection Properties

IP Address: demo.cubitech.gr

Connection Speed: 512 Kbps

Ras/VPN Connection: No Connection

Use a single port for all traffic:

TCP/IP Port: 35677

Less

Keyboard

OK Cancel

The Connection Properties tab is displayed.

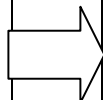
Each connection has a set of properties that you have to setup:

- IP Address : Enter the IP Address or the DNS Name of your DSL line in which the CubisNX server is installed . The format is usually xxx.xxx.xxx.xxx or name.dns.domain i.e: 213.16.179.33 or demo.cubitech.gr.
- Connection speed : Select the maximum upload speed that xDSL or leased line supports where CubisNX is connected. Usually that speed varies from 128Kbps to 512Kbps.
- RAS /VPN connection : Select No Ras Connection.
- Use Single port for all traffic : All traffic will be routed from one port only (Default is checked).
- TCP/IP Port : The port from which all traffic will be routed (Default port is 35677).

Creating a new connection for use with ISDN

To connect to a CubisNX Server using ISDN you should follow the following procedure:

Ensure that your pc has ISDN Modem installed. Start CubisNX Client. On the left side of the monitoring screen there is the active connections panel. Right click anywhere there or just click on the New Site button to create a new connection.



Connection Properties

IP Address: 10.0.1.10

Connection Speed: 128 Kbps

Ras Connection: cctv

Use a single port for all traffic:

Less

Keyboard

OK Cancel

The Connection Properties tab is displayed.

Each connection has a set of properties that you have to setup:



- IP Address : Enter the IP Address 10.1.1.10.
- Connection speed : Select the 128Kbps. That is the maximum speed ISDN supports when both channels are active
- RAS /VPN connection : Select New RAS connection. The dialog box for entering the required information to use the ISDN line will appear. Click on More.
- RAS Connection Name : Enter a name for the Connection.
- Phone Number : Enter the phone number where CubisNX Server is installed.
- RAS Device : Select the ISDN modem on your PC.
- Username : Enter the Username for the dial up. The default is "cctv"
- Password : Enter the password for the dial up. The default is "cctv+ 5 last letters from the serial number" i.e. cctvsl570
- Confirm Password : Re-write your password.
- Use Default Gateway on Remote Network : Select if you have other RAS devices connected on your PC.
- Idle Time-Out : Select the time after the connection will drop if not activity.
- Post – Connection Delay : Select a time that after the connection is established the Client will attempt a connection to CubisNX Server.
- Use Single port for all traffic : All traffic will be routed from one port only (Default is checked).
- TCP/IP Port : The port from which all traffic will be routed (Default port is 35677).



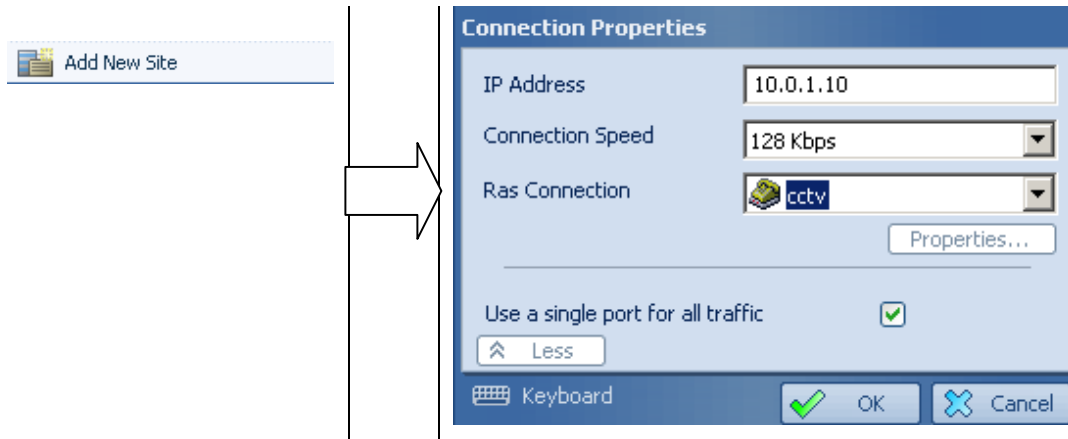
Creating a new connection for use with VPN

To connect to a CubisNX Server using VPN you should follow the following procedure:

Ensure that your PC has access to the internet your VPN server is running and you have the connection credentials. Start CubisNX Client. On the left side of the monitoring



screen there is the active connections panel. Right click anywhere there or just click on the New Site button to create a new connection.



The Connection Properties tab is displayed.


Each connection has a set of properties that you have to setup:

IP Address	:	Enter the IP Address 10.1.1.10.
Connection speed	:	Select the desired speed according to the remote host maximum upload speed.
RAS /VPN connection	:	Select New RAS connection. The dialog box for entering the required information to use a VPN connection . Click on More.
RAS Connection Name	:	Enter a name for the Connection.
Phone Number/DNS	:	Enter the IP Address (LAN IP Address) where CubisNX Server is installed.
RAS Device/VPN	:	
Protocol	:	Select the VPN Connection set on your PC.
Username	:	Enter the Username for the VPN Connection.
Password	:	Enter the Password for the VPN Connection.
Confirm Password	:	Re-write your password.
Use Default Gateway on Remote Network	:	Select if you have other RAS devices connected on your PC.
Idle Time-Out	:	Select the time after the connection will drop if not activity.
Post – Connection Delay	:	Select a time that after the connection is established the Client will attempt a connection to CubisNX Server.
Use Single port for all traffic	:	All traffic will be routed from one port only (Default is checked).
TCP/IP Port	:	The port from which all traffic will be routed (Default port is 35677).



Ras/VPN Connection

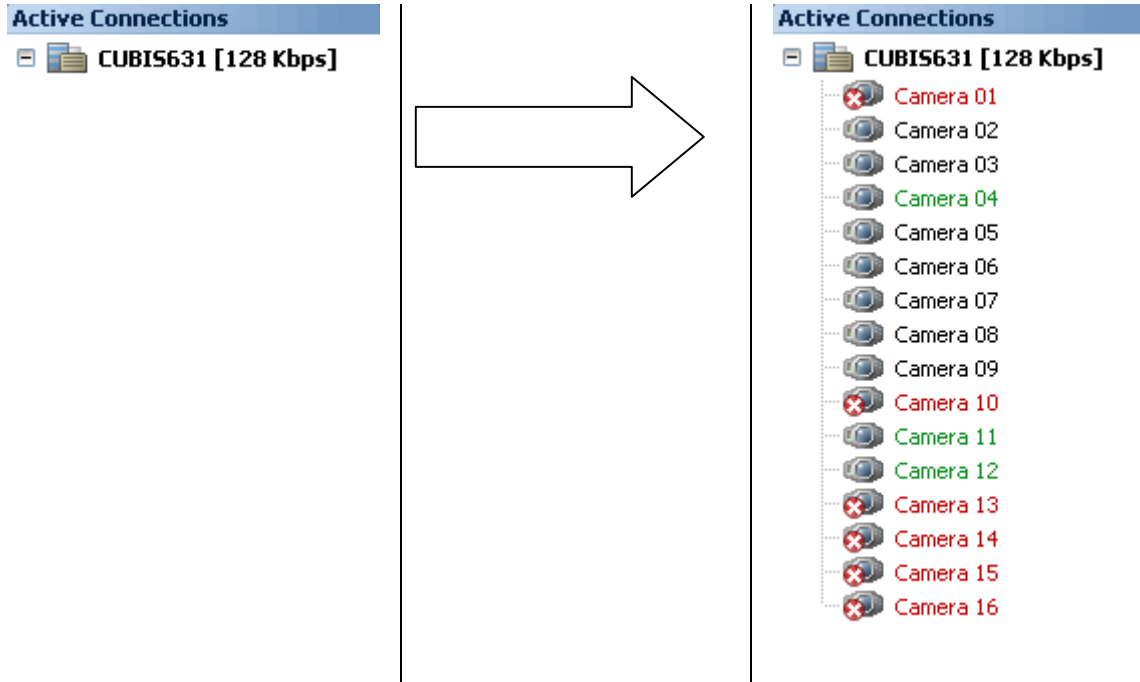
Connection Name	<input type="text" value="VPN Connection"/>
Phone Number/DNS	<input type="text" value="demo.cubitech.gr"/>
Ras Device/VPN Protocol	<input type="text" value="vpn - WAN Miniport (PPTP)"/>
Username	<input type="text" value="test"/>
Password	<input type="password" value="****"/>
Confirm Password	<input type="password" value="****"/>
Use Default Gateway on Remote Network	<input checked="" type="checkbox"/>
Idle Time-out	<input type="text" value="None"/>
Post-Connection Delay	<input type="text" value="2 Seconds"/>

 Keyboard



Connecting to a remote system

Connect to your site after having created the new connection.
Click once on the site that appears in the Active Connections panel.



As you can see from the above picture the Site Cubis631 has 16 (16) camera installed.

Camera 1
Camera 2
Camera 3
Camera ...
Camera 16



THE MONITORING SCREEN

The Monitoring Screen is the tab in which you can live view video, pause live video, export footage. You can monitor from 1 camera (full screen) to 36 cameras in the same time. Some of them displaying live video other displaying recorded footage. You can see the current time at the bottom center of the Cubis Client and enable the on screen keyboard by clicking the Keyboard icon on the bottom left corner.





The Monitoring Screen

The monitoring screen is divided into two (2) sections. The first section is the



Layout: Set the layout of the cameras.

My Favorites: Manage your favourite layout. Save, delete, change the name, manage your layouts.

Active Connections: Manage your CubisNX sites. Select the desired cameras to monitor.

Common tasks: Select the Media Viewer to see exported footage, choose the way the camera should be displayed, do multiple exports or Print the List of Alarms.

management panel on the left and the second is the camera panel on the right.

The Management panel

The management panel consists from the basic controls of the client. Each one of those performs standard operations for the user.

The Layout tab

Select the desired Layout to monitor the camera you wish. The available Layouts are from 1 camera to 25 cameras simultaneously.

My Favourites Tab

Save Current Layout: Open the cameras on the monitor tab you wish to monitor in the desired positions. Click on the Save Current Layout. Enter the desired name for this Layout. Type the name of your custom Group or select an old Group (if exists) from the drop down list. Click on the tab "Use this as my default" if you wish this Layout to be displayed every time you start CubisNX Client. Click on the tab "Save this as global" to save this layout for all Users of the CubisNX client.



New Favourite Layout

This tool adds the currently displayed layout to 'My Favourites', using the name you specify below.
Set this layout as your default if you want it displayed automatically when you sign-in.

Name of the new Favourite

Custom Group Name

Use this as my default

Save this as global

 Keyboard

Manage Favourites: An other way to manage multiple layouts is from the Manage Favourites. The available options are:

Make Default or Make non-Default: Click on it to enable or disable the use of this Layout as Default during login.

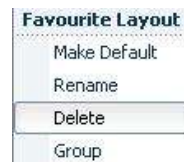
Rename: Rename the Layout you have selected.

Delete: Delete the Layout you have selected.

Custom Group Name : Type the Name for a Custom Group

Group by Site : The Grouping will be done by Each Site name.

Right click on the Favourite Layout you have currently selected to display the available options.




Make Default or Make non-Default: Click on it to enable or disable the use of this Layout as default during login.

Rename: Rename the Layout you have selected.

Delete: Delete the Layout you have selected.

Group: Create Custom Groups of your favourite layouts

Favourites Manager

 Favourite Layout

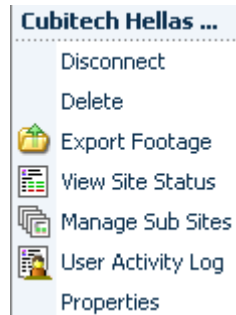
Custom Group Name

Group by Site



Active Connections Tab

Options on site : Right click on the Site name. The options for the site will appear:



Disconnect – Connect: Click to connect or to disconnect from a site.

Delete: Delete the site from the active Connections.

Export Footage: Export footage from multiple cameras.

View Site Status: Get information about the current Users Connected, DNS name, Server IP Address, S/W Version of the Server, Restarts of the servers in the last 7 days and information about the record status of the cameras.

Manage Sub Sites: Receive status information about the sub sites of a Central Site.

User Activity Log: Display information about each User Activity.(Only available to Administrator users)

Properties: Display the connection properties tab.

Get Update: Update your client to the latest version. (it will be displayed only if the server has a newer version than your client)

Options on Camera: Right click on a camera to display the options available.

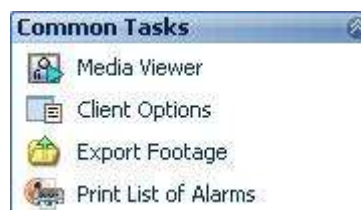


Connect: Click on "Connect" to enable the video transmission to your screen.

Export Footage: Click to export recorded footage from the CubisNX Server to your PC.

Common Tasks


Select the Media Viewer to see exported footage, choose the way the cameras should be displayed or do multiple exports.






Media Viewer : The Media viewer is the program you can use to see your snapshots and playback any exported video. The snapshots and the exports are distinguished by the icons located on the left of the export name.



The export icon is ().

The snapshot icon is ().

The attention icon is ().

Snapshot:

Click on a snapshot you have taken and the picture will appear on the right tab of the media viewer.








Some options will appear for you. Delete, Move, Copy, Report, Edit Tags and Print.





Video Export:

Click on an export. The playback will start automatically.
The available options are :

-  : Search Archive
-  : Play backwards
-  : Frame Backwards- Forward
-  : Pause
-  : Fast Forward
-  : Fast Backwards
-  Cancel Digital Zoom




Client Options

The Client options will give you a list of changes like changing the language for the client, also change the Video Display Size you can made to affect the size of the video camera panel. Change the report options for the exports and setup the Auto-Reconnect function and setup two way audio.



Client Options

Display Options

Language  English

Desktop Size

Video Display Size

Monitoring Display Type

Layout Option

Always use Default Appearance

Show Connection Speeds in Active Connections

Always on Top

Export Report Window Options

Show the report window for all completed exports

Show the report window only if errors occur during exports

Never show the export report window

Connection-Loss Behaviour

Use Auto-Reconnect


Auto-Reconnect Duration

Pan Tilt Zoom (PTZ) Cameras Options

Show Preset Position Shortcuts

Show Focus Near/Far Buttons

Show Advanced Response Messages

PTZ Speed 

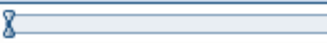
General Options

Alarm Sound

Audio Input Device

Default Transmission Quality

Remember my last used quality levels

Quality Boost for Priority Cameras 

OK Cancel



DISPLAY OPTIONS

- Language : Select the preferred Language. The available options currently are English, Greek, Bulgarian and Russian.
- Desktop Size : Change the Resolution of your monitor.
- Video Display Size : Select if you want the video to be stretch to all available space in the client or to keep the Video Display Size in standard.
- Monitoring Display Type : Select the preferred way for display (Fastest, Reduce image Tearing)
- Layout Option : Select Smart layout for auto arranging the layout windows or fixed layout to arrange the camera windows on the default.
- Restore Default Appearance : Click the button to restore the default logo of Cubitech.
- Always use Default Appearance : Do not allow the installation of any Custom Logo.
- Show connection speeds in Active Connections : Click the tab if you want the connection speed to be displayed next to the Site Name on the Active Connections.
- Always on Top : Set the Client to be on top of all open windows.

EXPORT REPORT WINDOW OPTIONS

- Export Report Windows Options : The Export Report Windows Options will give you the ability to select the way you wish to be informed when an error occurs during an export. The available option are:
 Show the report window for all completed exports.
 Show the report window only if errors occur during exports.
 Never show the export report windows.

CONNECTION-LOSS BEHAVIOUR

- Use Auto-Reconnect : Click the tab if you wish the Auto-Reconnect function enabled. This will force the client to try connection to your site when the connection is lost.
- Auto-Reconnect Duration : When the Auto – Reconnect function is enabled you have to select for how long the Auto-Reconnect function will continue making efforts to reconnect to the site.

PAN TILT ZOOM (PTZ) CAMERAS OPTIONS

- Show Preset Positions Shortcuts : Click the tab if you wish to display in the camera window of the monitoring screen the shortcuts of the Preset Buttons.
- Show Focus/Near Buttons : Click the tab if you wish to display in the camera window of the monitoring screen the buttons for Focus and Near.
- Show Advanced response messages : Click the tab if you wish to display in the camera window of the monitoring screen informational response messages for the PTZ cameras.
- PTZ Speed : Move the slider to the desired number to set the speed of movement for the PTZ camera.

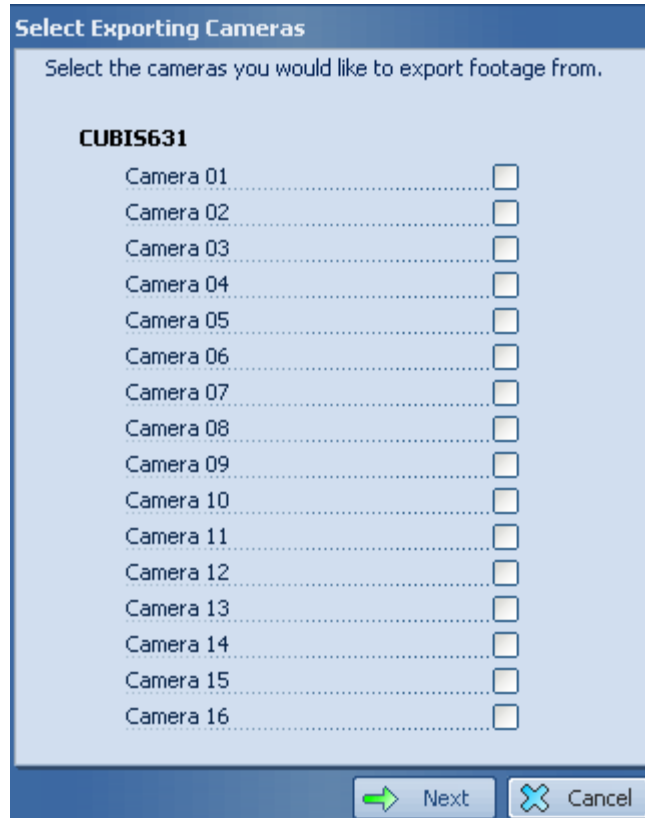
GENERAL OPTIONS

- Alarm Sound : Select from 3 different states for the alarm sound notification Silence, Simple Beep, Alert Sound 1.
- Audio Input Device : Select the audio Input Device for capturing voice and transmitting to the remote side (Server Side).
- Default transmission Quality : Select the default quality set for the transmitted images. It can be set to a specific value 0-8 or to Automatic. This setting can be live changed from the camera windows of the monitoring screen
- Remember my last used quality levels : Click the tab for the client to use your last used transmission qualities.
- Quality Boost for Priority Cameras : When a camera is double clicked the boosted cameras quality can be set to be increased accordingly to the value set.

Export Footage

This feature will help you easily export video from multiple cameras in the same time.

Click on export footage to display the camera selection.




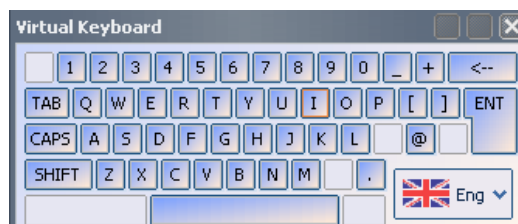
Select the camera from which you wish to export simultaneously video and click Next. The classic video export windows will be displayed. Please refer to [video camera export](#).

Print List of Alarms

Click to display a list of Alarms to print. For creating a list of alarms the Alarm monitoring window must be displaying alarms. These alarms will be added to the list for print.

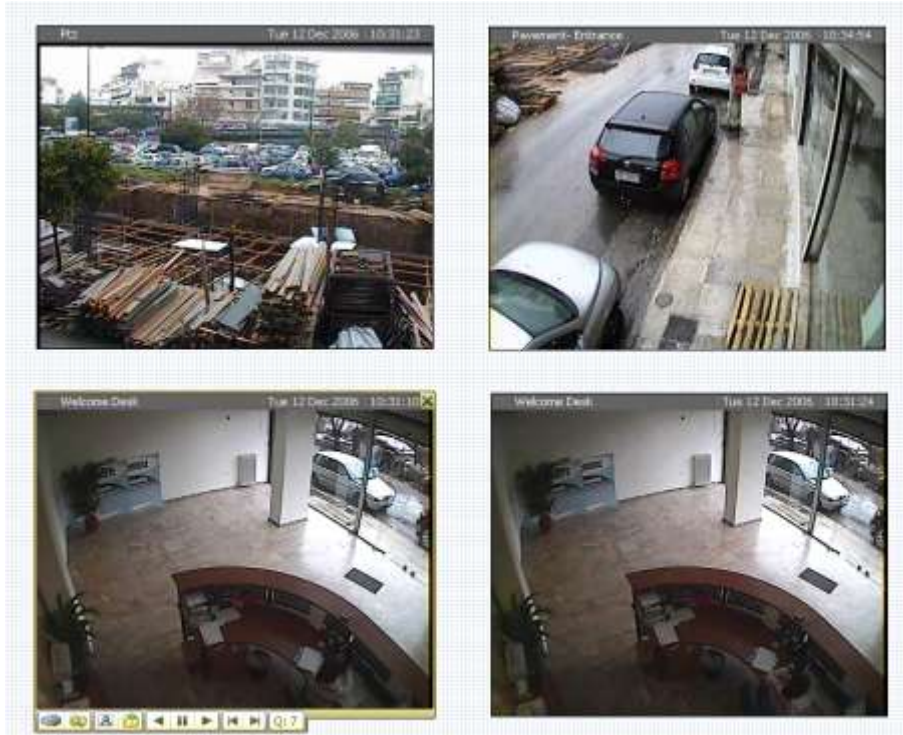
Virtual Keyboard

On the bottom left corner you will find the on screen keyboard ( Keyboard). The on screen keyboard will help you setup the system and write any text you wish. The Virtual Keyboard language selection will give you the option to choose between English and Greek layout.



Camera Panel

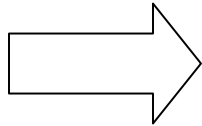
You can use the camera panel to monitor cameras from multiple CubisNX Servers



Connect to a camera for live monitoring

To see live video from a camera click on the camera you wish from the active connections. The camera will start to display live video on the camera panel.

Active Connections


















Controlling a Camera

Once you click on a camera on the active connections panel the camera will start to display live video. Move your mouse over the live video to display the camera controls.

- : Live connection
- : Live Audio



-  : Access Archive Footage
-  : Take a Snapshot
-  : Export Footage
-  : Cancel Digital Zoom
-  : Play backwards
-  : Pause
-  : Play Forwards
-  : Frame Backwards
-  : Frame Forwards
-  : Quality / Resolution Button
-  : Pan Tilt Zoom camera Controls
-  : Focus Far/ Focus Near
-  : Patrol On / Patrol Off
-  : Set Preset
-  : Manage Presets
-  : Call Presets
-  : Call Presets
-  : Call Presets
-  : Show the Text in window and set the position and it's size.



Digital Zoom


To use digital zoom simply right click constantly in the camera window. A marked area to which you wish to digital zoom will appear. When the area you wish is selected simply release the right click on your mouse.

For disabling Digital Zoom press the scroll button on your mouse or left click the "Cancel Digital Zoom" icon on the camera window.


Pause Live Video – Instant replay




During live playback you have the ability to pause the images and play backwards or forward, so it is easy and quick to review an event over the past few minutes

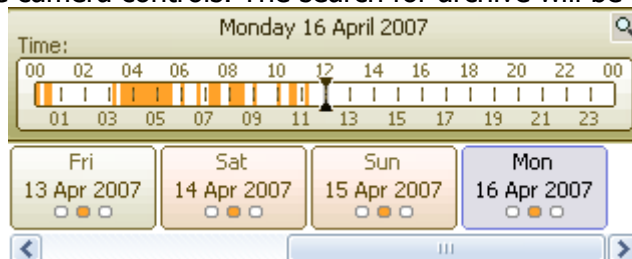
To pause the live video click on the pause button  and use the other buttons just as you were watching recorded footage.

Live Audio

You can hear to the audio at any time simply by pressing the live audio button .

Archive footage






To search for archive video from a specific camera just click on the search button () located on the camera controls. The search for archive will be displayed for you:



Using your mouse, click on the desired recording date, select the time you wish to start the playback by moving the bar on the timetable. The green refers to the video which is set with time lapse recording whereas the orange refers to motion detection recording..

Once you select the time, the playback will start automatically.

During the playback your control buttons are the following:


-  : Play backwards
-  : Frame Backwards- Forward
-  : Pause
-  : Fast Forward
-  : Fast Backwards

The playback will start from the point you choose. If the camera is set to record only with motion detection, please consider that there will be blanks on the recording during the time there was no motion detected on the camera.

Export Video

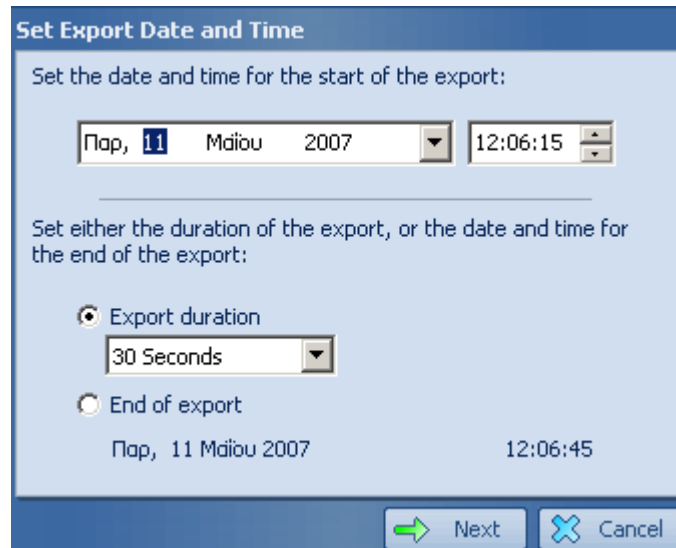
The export can be done with two ways. Either by camera or from multiple cameras.

By Camera

Select the camera from which you wish to export video. Click on the export button . The export guide will start.

Step 1: Choose the exact date and time you wish the export to start. In the

example we have selected Τρίτη, 16 Απριλίου 2007, 14:41:46



Step 2 : Set the export duration. In this example the duration is set to 30 seconds. Click next.

Step 3: Type the name for this export. The default name suggested by the export guide is the date and time stamp of the export.



Step 4: Choose where you want the export to be saved.

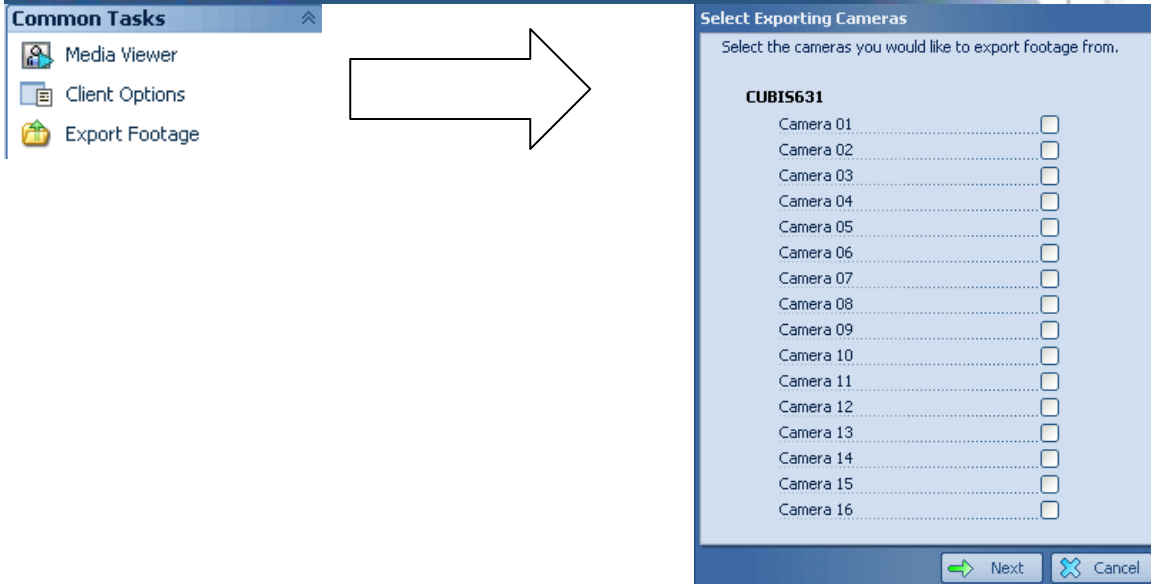
Step 5: Choose the type of file you wish to export the video. You can choose

between two types, Cubitechs' format and as AVI file. The Cubitechs' format is certificated by Kalagate and can be used in European courts. Also the output size is much smaller than AVI. The file type AVI can be played in most of the PC using Windows.

Step 6 : Choose if you want to include archive audio footage to your exported video.

Multiple Export

1. To start a multiple export the procedure is almost the same like export from a single camera. The difference is that you can start the multiple export using the button that exists in the Common tasks. Click on Multiple export and select the cameras you wish to do a multiple export.



The screenshot shows the Cubitech software interface. On the left, a 'Common Tasks' sidebar contains three items: 'Media Viewer', 'Client Options', and 'Export Footage'. A large white arrow points from the 'Export Footage' option to a dialog box on the right. The dialog box is titled 'Select Exporting Cameras' and contains the instruction 'Select the cameras you would like to export footage from.' Below this, under the heading 'CUB15631', there is a list of 16 cameras, each with a checkbox to its right. At the bottom of the dialog, there are two buttons: 'Next' with a green arrow icon and 'Cancel' with a blue 'X' icon.

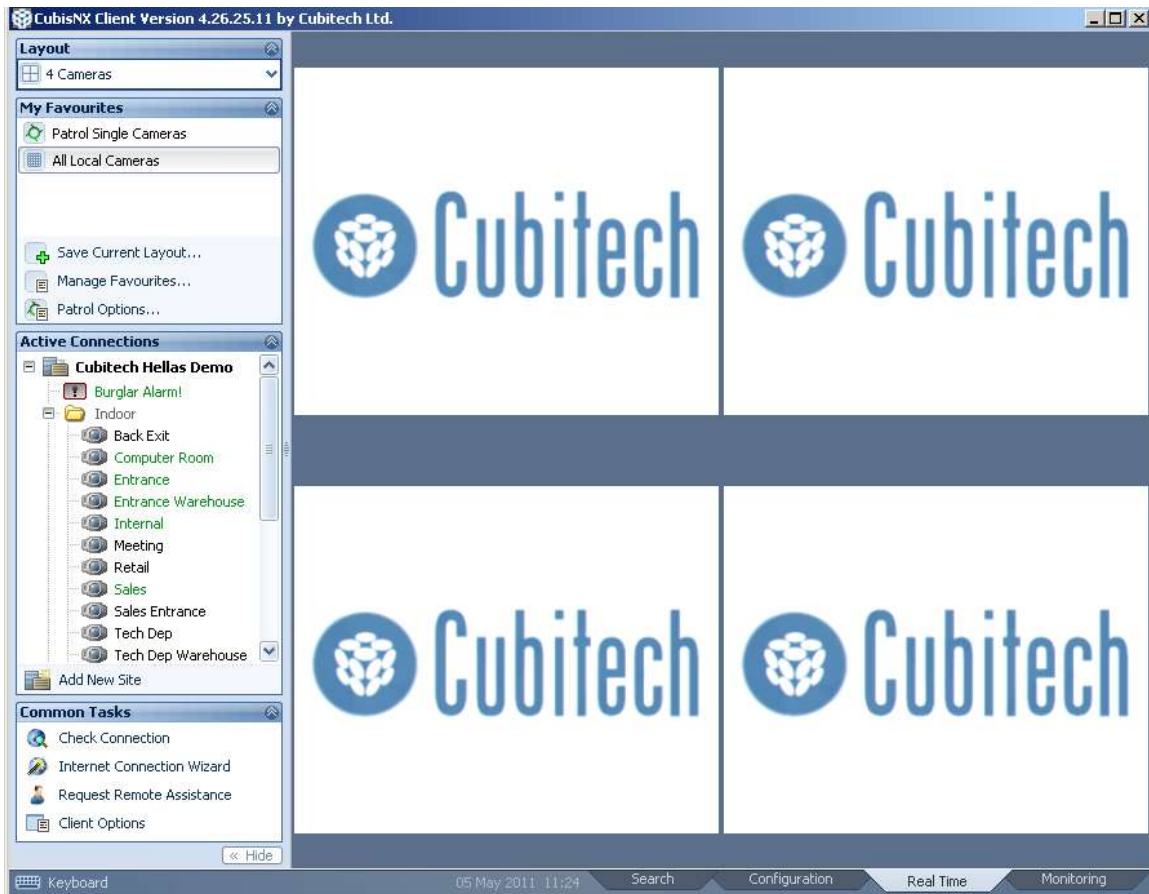
Camera	Selection
Camera 01	<input type="checkbox"/>
Camera 02	<input type="checkbox"/>
Camera 03	<input type="checkbox"/>
Camera 04	<input type="checkbox"/>
Camera 05	<input type="checkbox"/>
Camera 06	<input type="checkbox"/>
Camera 07	<input type="checkbox"/>
Camera 08	<input type="checkbox"/>
Camera 09	<input type="checkbox"/>
Camera 10	<input type="checkbox"/>
Camera 11	<input type="checkbox"/>
Camera 12	<input type="checkbox"/>
Camera 13	<input type="checkbox"/>
Camera 14	<input type="checkbox"/>
Camera 15	<input type="checkbox"/>
Camera 16	<input type="checkbox"/>

Follow the above guide to finish the multiple exports.



THE REAL TIME SCREEN

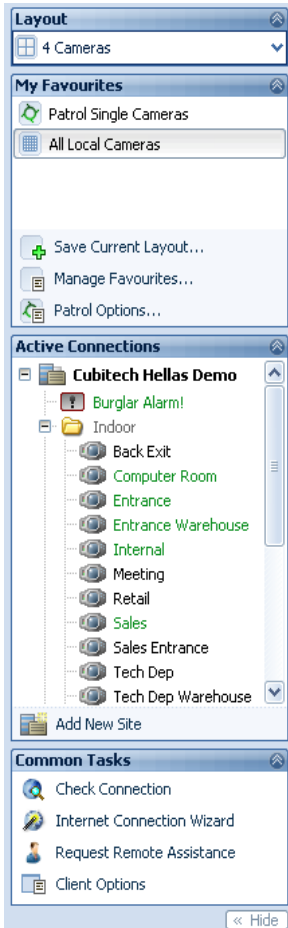
The Monitoring Screen is the tab in which you can live view video, pause live video, export footage. You can monitor from 1 camera (full screen) to 36 cameras in the same time. Some of them displaying live video other displaying recorded footage. You can see the current time at the bottom center of the Cubis Client and enable the on screen keyboard by clicking the Keyboard icon on the bottom left corner. This tab is only accessible when using the Server vga and cannot be controlled remotely.





The Real Time Screen

The Real Time screen is divided into two (2) sections. The first section is the management panel on the left and the second is the camera panel on the right.



Layout: Set the layout of the cameras.

My Favorites: Manage your favourite layout. Save, delete, change the name, manage your layouts and set a patrol.

Active Connections: Manage your CubisNX sites Select the desired cameras to monitor.

Common tasks: Check your connectivity, Setup the System for transmitting images through the Internet, Request Remote Assistance from a Cubitech representative. These options are accessible only Local from the CubisServer. Finally you can make changes to the client.

The Management panel

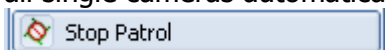
The management panel consists from the basic controls of the client. Each one of those performs standard operations for the user.

The Layout tab

Select the desired Layout to monitor the camera you wish. The available Layouts are from 1 camera to 25 cameras simultaneously.

My Favourites Tab

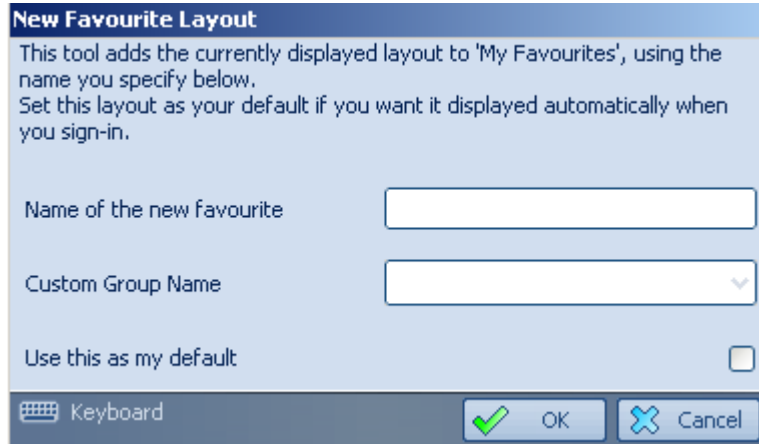
Patrol Single Cameras: By clicking "Patrol Single Cameras" the client will start to patrol all single cameras automatically until you stop it by clicking "Stop Patrol"



Save Current Layout: Open the cameras on the monitor tab you wish to monitor



in the desired positions. Click on the Save Current Layout. Enter the desired name for this Layout. Type the name of your custom Group or select an old Group (if exists) from the drop down list. Click on the tab "Use this as my default" if you wish this Layout to be displayed every time you start CubisNX Client.



New Favourite Layout

This tool adds the currently displayed layout to 'My Favourites', using the name you specify below.
Set this layout as your default if you want it displayed automatically when you sign-in.

Name of the new favourite

Custom Group Name

Use this as my default

Keyboard

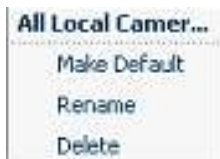
Manage Favourites: An other way to manage multiple layouts is from the Manage Favourites. The available options are:

Make Default or Make non-Default: Click on it to enable or disable the use of this Layout as Default during login.

Rename: Rename the Layout you have selected.

Delete: Delete the Layout you have selected.

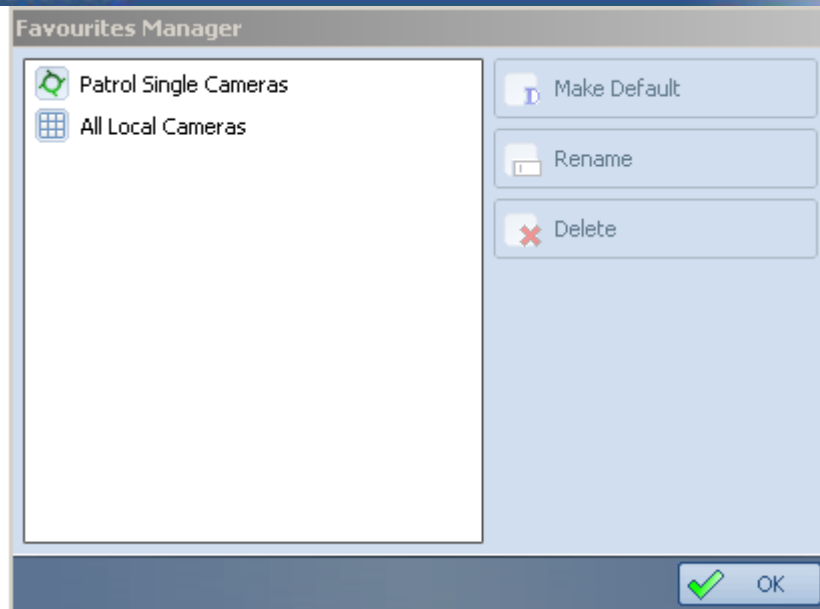
Right click on the Favourite Layout you have currently selected to display the available options.



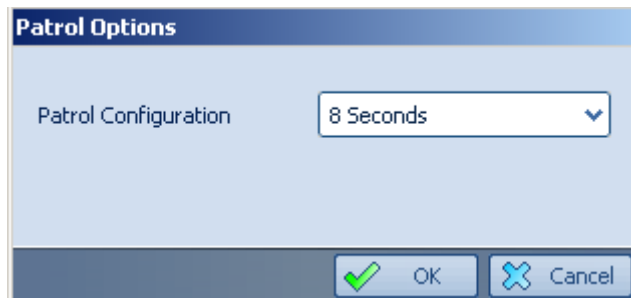
Make Default or Make non-Default: Click on it to enable or disable the use of this Layout as default during login.

Rename: Rename the Layout you have selected.

Delete: Delete the Layout you have selected.

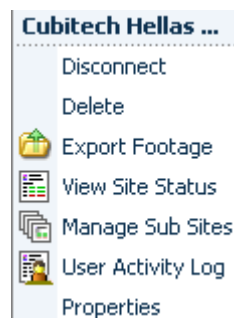


Patrol Options: Setup the patrol interval for the cameras. The time interval can change from 1 Second up to 5 Minutes .



Active Connections Tab

Options on site: Right click on the Site name. The options for the site will appear:



Disconnect – Connect: Click to connect or to disconnect from a site.

Delete: Delete the site from the active Connections.

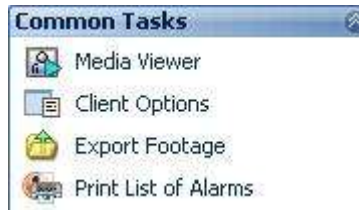
User Activity Log: Display information about each User Activity.(Only available to Administrator users)

Properties: Display the connection properties tab.



Common Tasks

Select the Media Viewer to see exported footage, choose the way the cameras should be displayed or do multiple exports.






Client Options

The Client options will give you a list of changes like changing the language for the client, also change the Video Display Size you can made to affect the size of the video camera panel. Change the report options for the exports and setup the Auto-Reconnect function and setup two way audio.

Client Options

Display Options

Language  English ▼

Desktop Size 1280 x 1024 ▼

Video Display Size Stretch video and keep aspect ratio ▼

Monitoring Display Type Fastest (Default) ▼

Layout Option Smart Layout ▼

Always use Default Appearance

Show Connection Speeds in Active Connections

Always on Top

Export Report Window Options

Show the report window for all completed exports

Show the report window only if errors occur during exports

Never show the export report window

Connection-Loss Behaviour

Use Auto-Reconnect

Auto-Reconnect Duration Forever ▼

Pan Tilt Zoom (PTZ) Cameras Options

Show Preset Position Shortcuts

Show Focus Near/Far Buttons

Show Advanced Response Messages

PTZ Speed 50

General Options

Alarm Sound Alert Sound 1 ▼

Audio Input Device Microphone - [SoundMAX HD Audio] ▼


Default Transmission Quality Automatic ▼

Remember my last used quality levels

Quality Boost for Priority Cameras 0



Virtual Keyboard

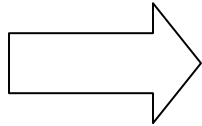
On the bottom left corner you will find the on screen keyboard ( Keyboard). The on screen keyboard will help you setup the system and write any text you wish. The Virtual Keyboard language selection will give you the option to choose between English and Greek layout.



Connect to a camera for live monitoring

To see live video from a camera click on the camera you wish from the active connections. The camera will start to display live video on the camera panel.

Active Connections



CONFIGURATION


The configuration will help you setup the system according to your needs.

Accessing the configuration

In order to access the configuration you must have configuration access. To enter the configuration click on the bottom right corner the tab configuration.

About the configuration

The configuration is divided to two parts. On the left you can access the menu of the configuration whereas on the right you can make the changes.

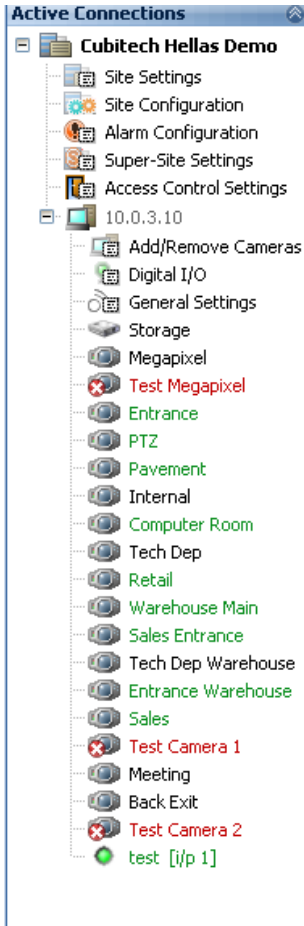


The screenshot displays the CubisNX Client configuration window. The title bar reads "CubisNX Client Version 4.26.25.9 by Cubitech Ltd.". The interface is divided into several sections:

- Active Connections:** A tree view on the left showing the site structure for "Cubitech Hellas Demo". The "PTZ" camera is selected under the "10.0.3.10" IP address.
- Camera Settings: 'PTZ':** A list of configuration options for the selected camera, including:
 - General Settings - 'PTZ', Colour, 352 x 288
 - TimeLapse Recording - On, 0.0 fps
 - Motion Detection Recording - Off
 - Trigger Recording - Off
 - Motion Detection Settings
 - Audio Settings - None
 - PTZ Settings - Palco-D, RS485, Addr: 7
 - Serial Text Input Settings - None
 - Apply Settings to Selected Cameras...
- General Settings:** A detailed configuration panel for the PTZ camera with the following fields:
 - Camera Name: PTZ
 - Description: (empty)
 - Group: Outdoor
 - Security Level: 1
 - Image Size: 352 x 288
 - Delete images older than:
 - Number of Days: None
 - Colour Type: Colour
 - Brightness: 127
 - Contrast: 127
 - Hue: 127
 - Saturation-U: 127
 - Saturation-V: 127
 - Sharpness: 2
 - Deinterlace: (checked)
 - Restore defaults button
- Common Tasks:** A section at the bottom left with an "Add New Site" button.
- Bottom Bar:** Includes a search bar, "Apply" and "Cancel" buttons, and a "Monitoring" tab.



Selecting cameras in the configuration



On the top it is displayed the system in which you are going to make any changes. In this example we are connected to system **CUBISNX Demo Athens**.

Site Settings: You can change the Site information add or remove users and change DNS name and Central site connection.

Site Configuration: Change the IP of the system (only local) the date and time of the system and load the customisation.

Alarm Configuration: Create alarms triggered from video loss, External inputs or from video motion.

Super-Site Settings: Alarm Storage and Email Settings (For Cubis Central System ONLY).

Access Control Settings: Set the settings for connecting the Cubis Server to the Database of the Access Control.

Add/Remove Cameras: Remove or Add cameras.

Digital I/O: Configure the Digital Inputs and Outputs.

General Settings: Set the audio output device and control the CCTV-Out (enable-disable).

Storage: Allocate and change the storage space for each camera.

Cameras: Camera 1... Camera 32. Change the settings for each camera.

Simply by clicking on each of the above the settings will appear on the right side of the screen.



Site Settings

In the Site Settings you can access to the General Settings , Users and also Network Settings.

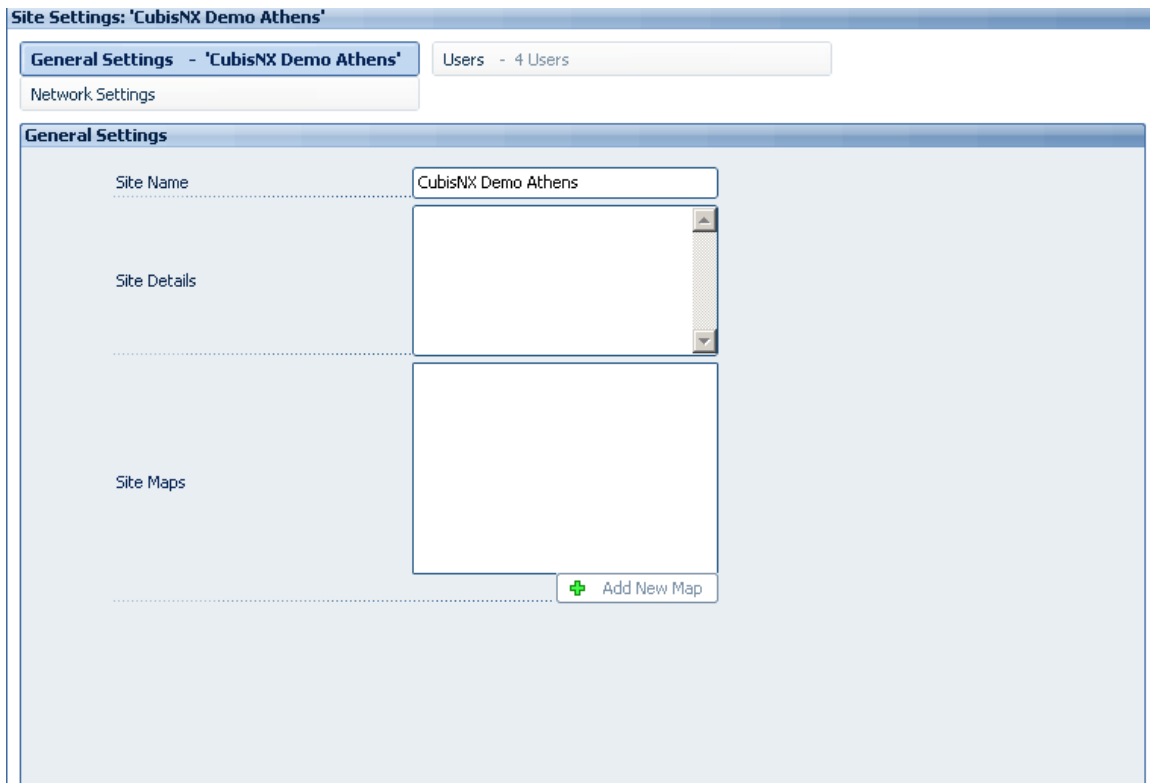
General Settings – General info about the Server

Users – User Management

Network Settings – DYNDNS and settings for Connecting to Cubis Central

General Settings

You can change the Site Name to what you desire. Also on the Site details type any description you want for the CubisNX Server.



The screenshot shows the 'Site Settings' interface for a site named 'CubisNX Demo Athens'. At the top, there is a navigation bar with 'General Settings - 'CubisNX Demo Athens'' selected, and a 'Users - 4 Users' indicator. Below this, there are two tabs: 'General Settings' (active) and 'Network Settings'. The 'General Settings' section contains three main areas: 'Site Name' with a text input field containing 'CubisNX Demo Athens'; 'Site Details' with a large text area for description; and 'Site Maps' with a large empty area and an 'Add New Map' button at the bottom right.

- Site Name : Set a name for the Site
- Site Details : Type any description for the site

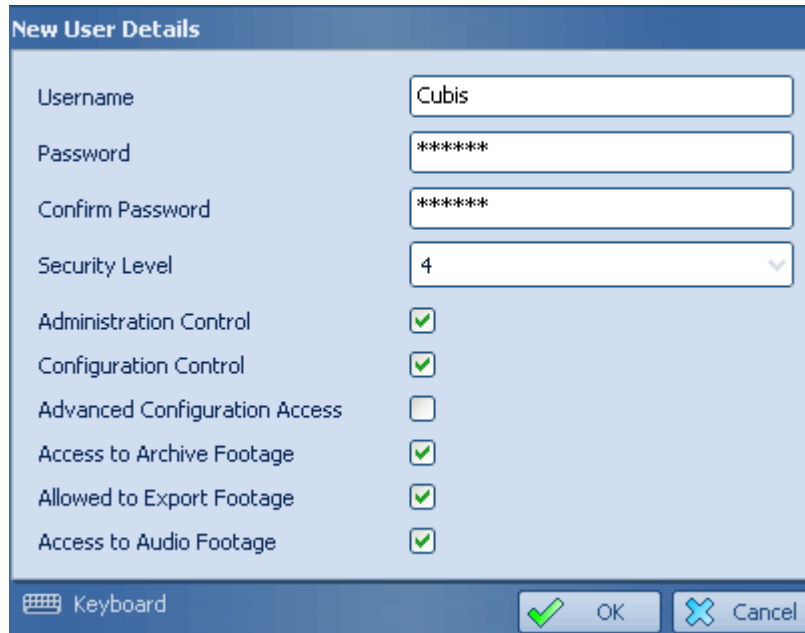
Users

On the user settings you can add or delete users change password or event change the rights for each one.



Add new user – Access levels

To add a new user click on the button Add New User. The following screen will appear on your PC:



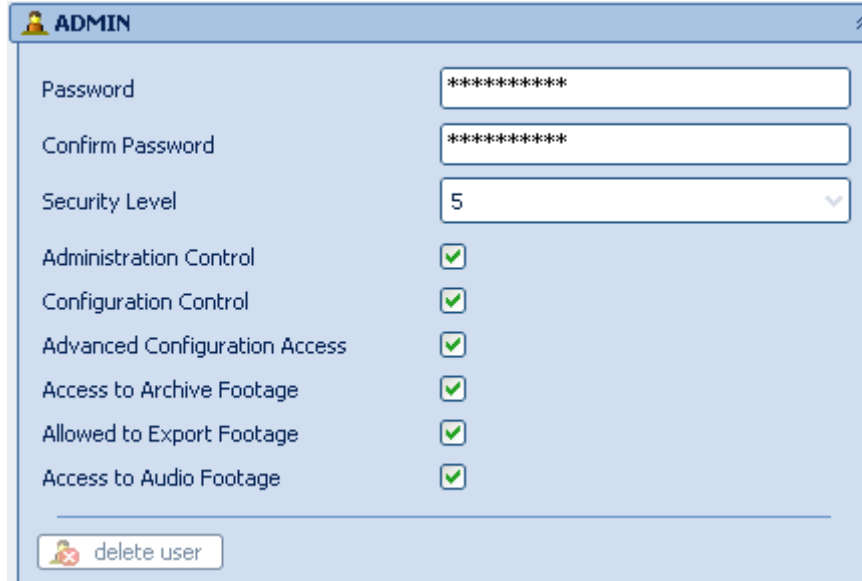
- | | | |
|------------------------|---|--|
| Username | : | Enter the desired username for the user. i.e. <i>Cubis</i> . |
| Password | : | Enter the desired password. |
| Confirm password | : | Enter the password again. |
| Security Level | : | Select the security level for the user. |
| Administration Control | : | Select it, if you wish the user to have access to the administration settings. |
| Configuration Control | : | Select it, if you wish the user to have access to the Configuration of CubisNX Server. |



- Advanced Configuration access : Select it, if you wish the user to have access to advanced configuration.
- Access to Archive Footage : Select it, if you wish the user to have access to the archive footage.
- Allowed to export Footage : Select it, if you wish the user to be able export footage.
- Access to Audio Footage : Select it, if you wish the user to have access to live and recorded audio.

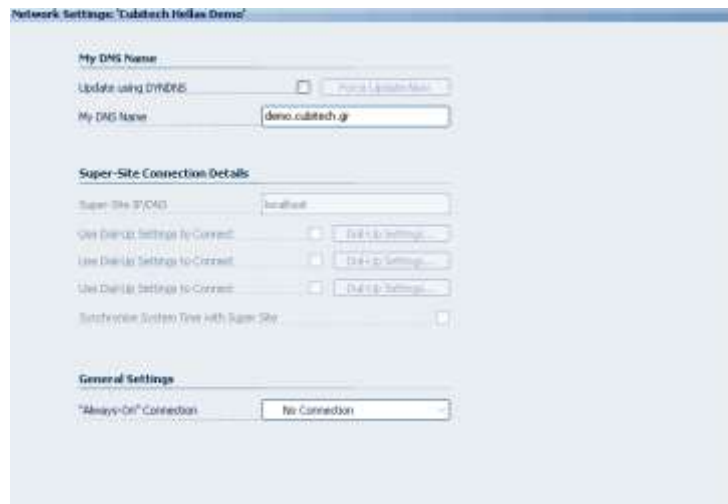
Delete a user

To delete a user select the user configuration screen. Select the user and click on Delete User button.



Network Settings

At the network settings you can easily set an account for use with Cubitechs' DynDNS Service and also make all the appropriate settings for connecting a CubisNX to a CubisCentral.





DNS Name

- | | | |
|---------------------|---|---|
| Update Using DYNDNS | : | Click this tab to enable update with DynDns. |
| Force Update Now | : | Select this to make a Force Update. Note that if too many Force updates happen the Server will report an Abuse. Only Use when all settings are correct. |
| My DNS Name | : | Type in your DNS Name for use with cubitech.gr domain. Please contact Cubitech LTD or your local representative for enabling the Cubitech DYNDNS account. In case that you already have a DNS name type the full name in the box. |

Super-Site Connection Details

- | | | |
|---|---|--|
| Super-Site IP/DNS | : | Enter the IP Address or the DNS name of the CubisCentral Site. |
| Use Dial-Up Settings to Connect | : | In case of your xDSL, leased line fails to send the alarms to the Cubis Central a Dial-Up connection can be started for sending the signals. The CubisCentral must also support this function. |
| Synchronize System Time with Super Site | : | Select this if you want your CubisNX Server time to synchronize with the time of the CubisCentral. |

General Settings

- | | | |
|-----------------------|---|---|
| "Always-On Connection | : | Create a connection that will always be connected to a CubisCentral Server. |
|-----------------------|---|---|



Site Configuration

The Site Configuration you can change the IP configuration of the CubisNXServer, set a new date/time and enter a Customisation code (for installers only).

Site Configuration: 'CubisNX Demo Athens'

Use the buttons below to change the IP settings or date/time settings of CubisNX Demo Athens.
 Note: The IP settings can not be changed from a remote connection.

Change Site IP Settings...

Change Site Date/Time...

Customise...

Change Site IP Settings

The "Change Site IP Settings" will allow you to change the IP settings of your CubisNX Server. This option is available only Locally.



Change Site IP Settings

WARNING: Setting these values incorrectly can cause your system to stop responding. Only use these settings if you understand them completely.

Obtain an IP address automatically

Start of IP address range

Subnet mask

Gateway

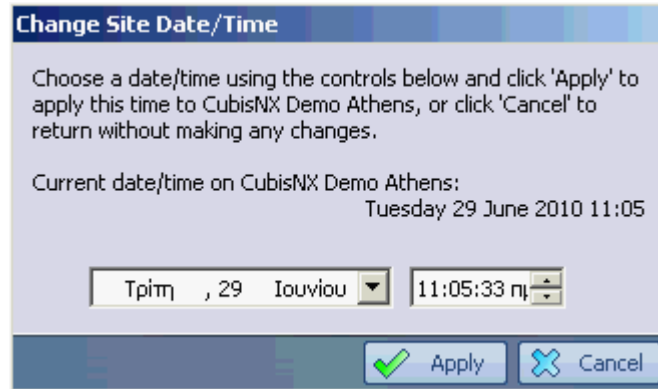
Restore defaults

Keyboard

- Obtain an IP address automatically : Click this tab to obtain an IP address automatically
- Start of IP address range : Type the IP address you want to assign to the CubisNS Server. If there are slave Systems on the LAN the Master CubisNX server will assign them the IP address automatically according to the IP address of the Master.
 i.e
 One system installation 192.168.1.10
 Master-Slave installation
 Master :192.168.1.10
 Slave 1: 192.168.1.11
 Slave 2: 192.168.1.12
- Subnet mask : Type the Subnet mask i.e 255.255.255.0
- Gateway : Type the IP Address of your Gateway.

Change Site Date/Time

The “Change Site Date/Time” will allow you to change the date and time of your CubisNX server. Use the drop down list button to choose the Date and the navigation buttons to change the time.



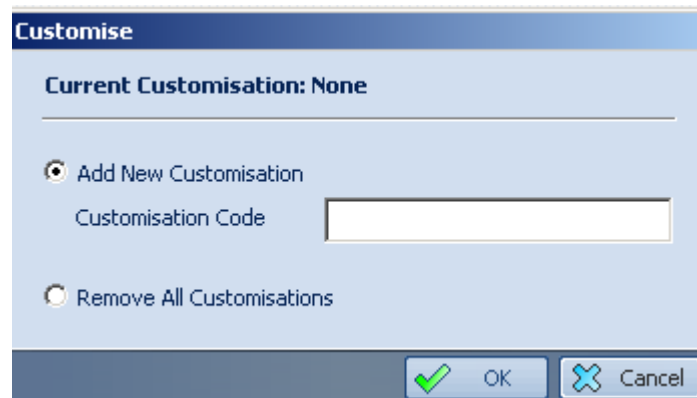
The dialog box titled "Change Site Date/Time" contains the following elements:

- Instructional text: "Choose a date/time using the controls below and click 'Apply' to apply this time to CubisNX Demo Athens, or click 'Cancel' to return without making any changes."
- Current date/time: "Current date/time on CubisNX Demo Athens: Tuesday 29 June 2010 11:05"
- Date and time input fields: A date dropdown menu showing "Τρίτη, 29 Ιουνίου" and a time spinner control showing "11:05:33 η".
- Action buttons: "Apply" (with a green checkmark icon) and "Cancel" (with a blue X icon).

Notes: In case that you change the date or time backwards then the system will stop recording until the last recorded image time is the same with the time you have set.

Customise

The “Customise” is used only by installers. For more information please contact your local representative or Cubitech LTD.



The dialog box titled "Customise" contains the following elements:

- Status: "Current Customisation: None"
- Radio buttons: "Add New Customisation" (selected) and "Remove All Customisations".
- Input field: "Customisation Code" with an empty text box.
- Action buttons: "OK" (with a green checkmark icon) and "Cancel" (with a blue X icon).

Notes: After you apply the Customisation code all the custom settings will be applied to each CubisNX client that connects to the CubisNX Server that the customisation code has been applied.

For resetting these settings see the “Restore Default Appearance” in page 17.

Alarm Configuration

The alarm configuration screen allows you to enable and change settings for the Video alarms that will be sent to a CubisCentral Station. The alarms are distinguished to 3 categories. The alarms caused by Motion detection, Video Loss and Digital Input.

Setting up the alarms

To setup an alarm click on "Alarm Configuration" in the Active Connection Panel of the Configuration tab. Select the type of the alarm you want to create, "Motion Detection Alarms", "Digital Input Alarms", "Video Loss Alarms", "Scheduled Alarms", "System Fault Alarms", "Minimum Recording Alarms" and click .



Creating an alarm

After you have setup the basic for the alarm you can create a new alarm. When the button is pressed the following will appear.

New Alarm

Cause of Alarm

This is a list of the objects that cause the alarm.

Drag cameras here from the 'Active Connections' window.

Click on a camera in this list to specify an Area of Interest if required.

Effect of Alarm

Store Alarm Footage: Camera that Causes Alarm (1/3)

Transmit Live From: Camera that Causes Alarm

Send Email Alerts: To: _____

Turn on these outputs: _____

CCTV Out Options

CCTV Out 1: None

Go to PTZ Preposition: _____

This is a list of the actions you want in response to the alarm.

Drag cameras and digital outputs here from the 'Active Connections' window.

Security Level

1 ▼

Users with security level less than this will not see the alarm.

Input to Arm/Disarm Alarm:

None ▼

Alarms will be ignored when the selected input is 'off'.

Schedule

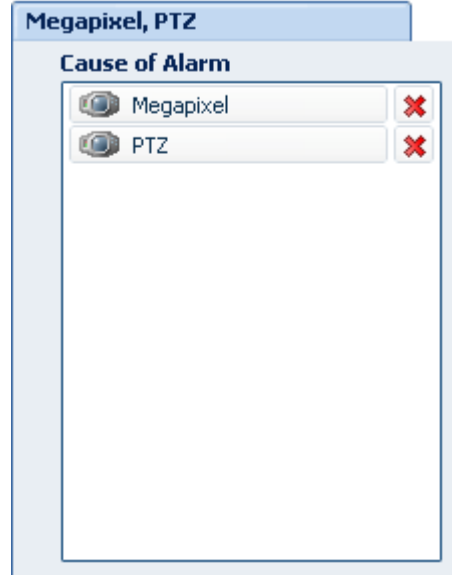
Time of Day

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00
Monday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tuesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wednesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thursday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Friday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Saturday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

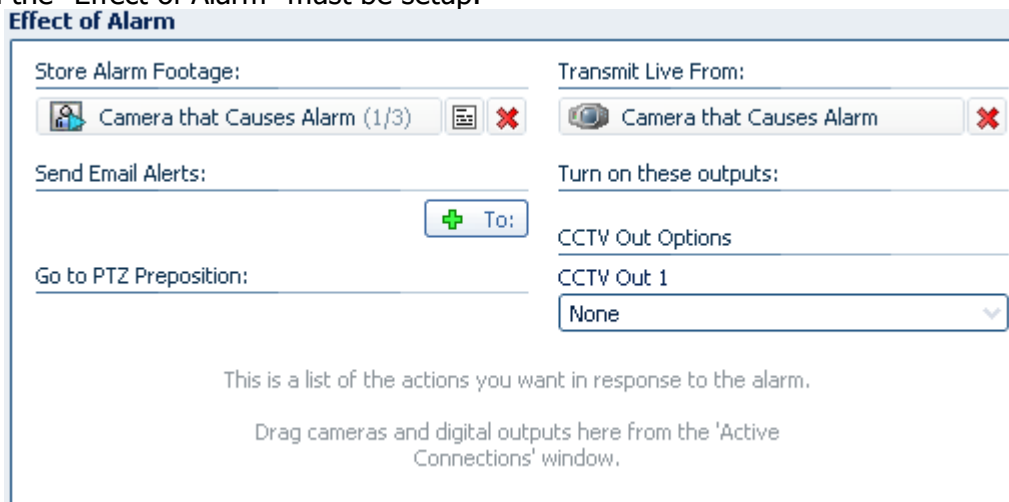
Time of Day

This is the main page for creating the alarms.

Drag and drop the camera from the Active Connection Panel to the Cause of Alarm that you want to trigger the alarm and send alarms to a CubisCentral Station. At this point you can add more than one camera that you want to trigger a specific alarm. The camera names you have dragged and dropped will appear in the list of "Cause of Alarm".



Then the "Effect of Alarm" must be setup.



Effect of Alarm	
Store Alarm Footage	: Drag n Drop cameras that you want to store alarm footage when the alarm is triggered.
Transmit Live From	: Drag n Drop cameras that you want to Transmit Live Video the CubisCentral Station.
Send email Alerts	: Type the email that you want to send the event of the triggered alarm or just a notification that an alarm has occurred.
Turn on these outputs	: If you want to enable a Output you have to Drag n Drop the configured output from the active connection.



- Go to PTZ Preposition : If there is a PTZ camera configured, Drag n Drop the specific PTZ camera that you want to enable a Preposition and select the Preposition.
- CCTV Out Options : Set the desired CCTV Out camera you wish to enable after the alarm has been enabled.

Security level

Set the Security level for this Alarm. Users that have less security than the alarm will not be able to access the event of the alarm.

Security Level

1

Users with security level less than this will not see the alarm.

Input to Arm/Disarm Alarm

Select an input from the drop down list to control the alarms. In case that an input is selected and the state of the input is "Off" then the alarms will be ignored and will not be sent to the CubisCentral station. When the input status is changed to "On" the alarms will be sent accordingly to the Schedule set.

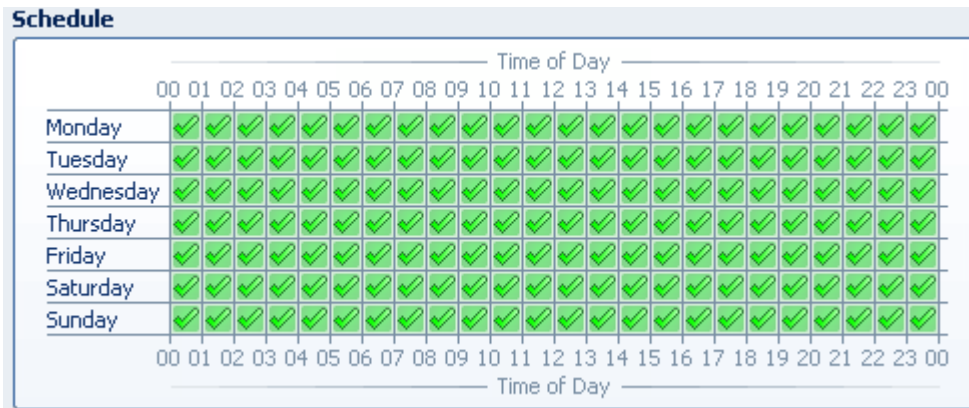
Input to Arm/Disarm Alarm:

Trigger from Alarm

Alarms will be ignored when the selected input is 'off'.

Schedule

For setting up a schedule when the alarms will be activated or not you can use the following weekly schedule.





Super Site Settings

These settings refer only to a CubisCentral Station. These settings have to be setup for using the email notification and also setting up the storage of the alarms.

Super-Site Settings: 'CubisNX Demo Athens'

SMTP Settings for Sending Emails

SMTP Server IP/DNS

SMTP Server Port (default 25)

Username

Password

Sender's Email Address

Use Dial-Up Settings to Connect

Alarm Storage Settings

Storage Size

SMTP Settings for Sending Emails

- SMTP Server IP/DNS : Type in the IP Address or the DNS of the SMTP Server.
- SMTP Server Port (default 25) : Enter the port of the SMTP Server.
- Username : Type the Username of the SMTP Server.
- Password : Type the Password of the SMTP Server.
- Sender's Email Address : Type the Email Address of the Sender.
- Use Dial-Up Settings to Connect : Click to setup the Dial-Up settings.
- Dial-Up Settings : Set the settings for the Dial-Up connection to the SMTP Server.
- Send Test Email : When the email settings are setup click to send a Test Email.

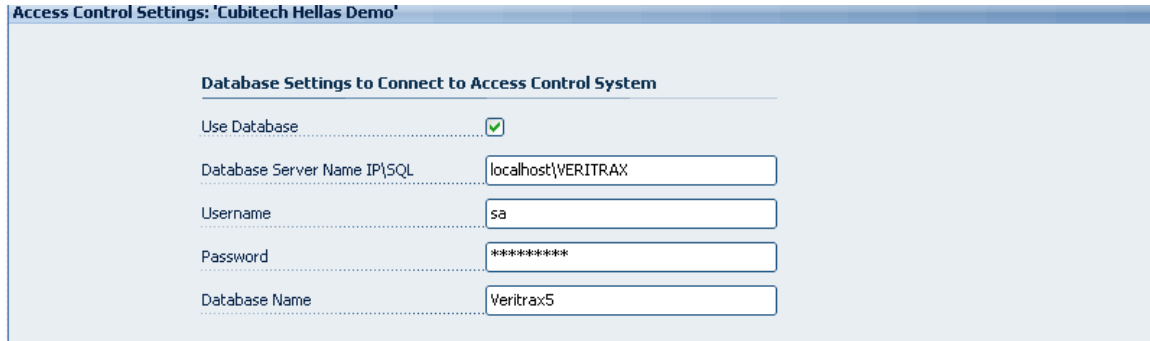
Alarm Storage Settings

- Storage Size : Set a fixed size for the Storage Size.



Access Control Settings

In this menu you can setup the options necessary for connecting the Cubis Server to the database of the Access control.

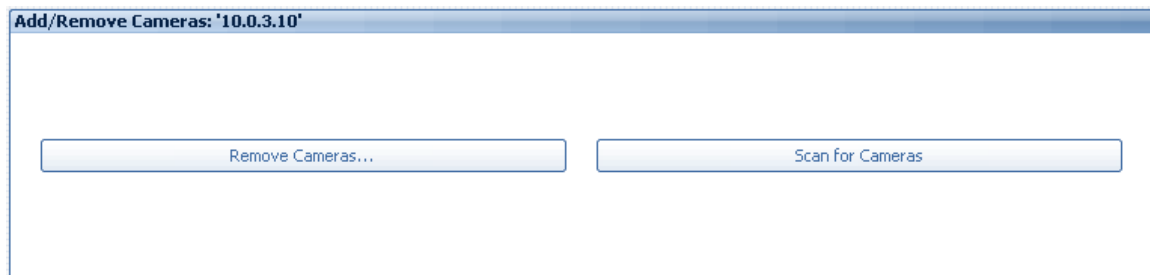


Database Settings to Connect to Access Control System

- Use Database : Select this box to enable the communication to the database of the Access Control.
- Database Server IP\SQL : Type the IP of the Server and the instance of the SQL to connect .
- Username : Type the username of the SQL.
- Password : Type the Password of the SQL.
- Database Name : Type the Database name.

Add/Remove Cameras

In this menu you can Add cameras (in case that a camera been deleted manually in the past) or remove cameras and save space on the Hard Disk Drive.



Remove Cameras...

If you want to remove cameras click on the "Remove Cameras..." button. And select the desired cameras you wish to delete.



Remove Cameras

Please select the cameras you wish to remove

Megapixel	<input type="checkbox"/>
Main Entrance	<input type="checkbox"/>
PTZ	<input type="checkbox"/>
Pavement	<input type="checkbox"/>
Entrance	<input type="checkbox"/>
Computer Room	<input checked="" type="checkbox"/>
Tech Dep	<input checked="" type="checkbox"/>
On-Site	<input type="checkbox"/>
Main Warehouse	<input type="checkbox"/>
Sales Entrance	<input type="checkbox"/>
Warehouse Tech-Dep	<input type="checkbox"/>
Warehouse Entrance	<input type="checkbox"/>
Sales	<input type="checkbox"/>
Test Camera	<input type="checkbox"/>
Meeting	<input type="checkbox"/>
Garden Door	<input type="checkbox"/>

OK Cancel

Press OK. The cameras you have selected will be deleted with all their settings. Also the Allocated hard disk space will be free to be used for other cameras.

Scan For Cameras

If a camera has already been deleted manually and you want to restore the connection to the camera click button the "Scan for Cameras."

Notes: Make sure that you have reallocated your storage so that there is enough free space available for the cameras that will be added.



Digital I/O

Configure a new Digital Input or Output to work with external devices. Select from the tab the type of input you want to configure and click on the input or output you wish to use. You can see the number of available Digital Inputs and Outputs and the Configured.

Digital I/O: '10.0.3.10'

Inputs - Available: 4, Configured: 1 **Outputs - Available: 4, Configured: 0**

Inputs

<input type="radio"/>	Input 1 - Contact	⌵
<input type="radio"/>	Input 2 - Not Configured	⌵
<input type="radio"/>	Input 3 - Not Configured	⌵
<input type="radio"/>	Input 4 - Not Configured	⌵

The available options for the inputs are

- Name : Type the name you want to set to the Input.
- Group : Type a new Group you wish to create or select one from the drop down list.
- Security Level : Select the security level (1-5)
- Icons (0V / 12v) : Choose an icon from the available list.
- Text to display : When the input is enabled the text will be displayed when a camera is set to record with a Digital input or when the specific input is set to cause an alarm.

Input 1 - Contact

Name:

Group:

Security Level:

Icons (0V / 12V) :

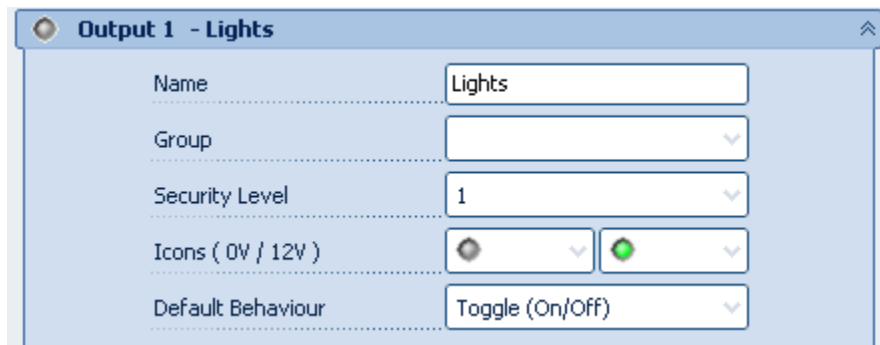
Add text to the video

Text to display:



The available options for the outputs are

- Name : Type the name you want to set to the Input.
- Group : Type a new Group you wish to create or select one from the drop down list.
- Security Level : Select the security level (1-5)
- Icons (0V / 12v) : Choose an icon from the available list.
- Default Behaviour : Select from a Toggle mode or Pulse (xxx ms).



The screenshot shows a configuration window titled "Output 1 - Lights". It contains the following fields:

- Name:** A text input field containing "Lights".
- Group:** A dropdown menu.
- Security Level:** A dropdown menu showing "1".
- Icons (0V / 12V):** Two dropdown menus. The first shows a grey circle icon, and the second shows a green circle icon.
- Default Behaviour:** A dropdown menu showing "Toggle (On/Off)".



General Settings

These settings will enable the Speaker on the Server side and either disable or not the TV-Out Function.

General Settings: '10.0.3.10'

Audio Output

Audio Output Device	None
Audio Output Volume	100

General Settings

Enable TV-Out Display	<input checked="" type="checkbox"/>
-----------------------	-------------------------------------

Audio Output

- Audio Output Device : Select the Audio output for connecting a Speaker used for the two-way audio.
- Audio Output Volume : Select the desired volume of the output.

General Settings

- Enable TV-Out Display : Uncheck this box if you want to disable the TV-Out function (Default is enabled).



Storage

The Storage will show you all the information about the HDD installed to the system and also let you allocate the hard disk space for each camera.

Storage: '10.0.3.10'

Use the controls below to change the storage space used by each camera, and to drag and drop cameras' storage to a different disk drive.
 Note: Moving a camera's storage to a new disk drive will result in all footage from that camera being deleted.

Disk Name: C:

Capacity: 9.6 GBytes
 System Files: 8.9 GBytes

Disk Name: D: Auto Size

Capacity: 449.2 GBytes
 System Files: 1.1 GBytes

Meg...	Main...	PTZ	Pav...	Entr...	Com...	Tec...	On...	Main...	Sale...	War...	War...	Sales	Test...	Mee...	Gar...	C...
--------	---------	-----	--------	---------	--------	--------	-------	---------	---------	--------	--------	-------	---------	--------	--------	------

Megapixel : 26.0 GBytes	Main Entrance : 26.0 GBytes - +
PTZ : 26.0 GBytes	Pavement : 26.0 GBytes
Entrance : 26.0 GBytes	Computer Room : 26.0 GBytes
Tech Dep : 26.0 GBytes	On-Site : 26.0 GBytes
Main Warehouse : 26.0 GBytes	Sales Entrance : 26.0 GBytes
Warehouse Tech-Dep : 26.0 GBytes	Warehouse Entrance : 26.0 GBytes
Sales : 26.0 GBytes	Test Camera : 26.0 GBytes
Meeting : 26.0 GBytes	Garden Door : 26.0 GBytes
Camera 1-16 : 19.8 GBytes	

The system can "Auto Size" the available storage for each camera by clicking the "Auto Size" button or you can control the storage for each camera by moving the mouse over the camera list on the bottom of the graph and clicking on "+" for increasing the HDD allocated space for the camera or by clicking on "-" for decreasing it.

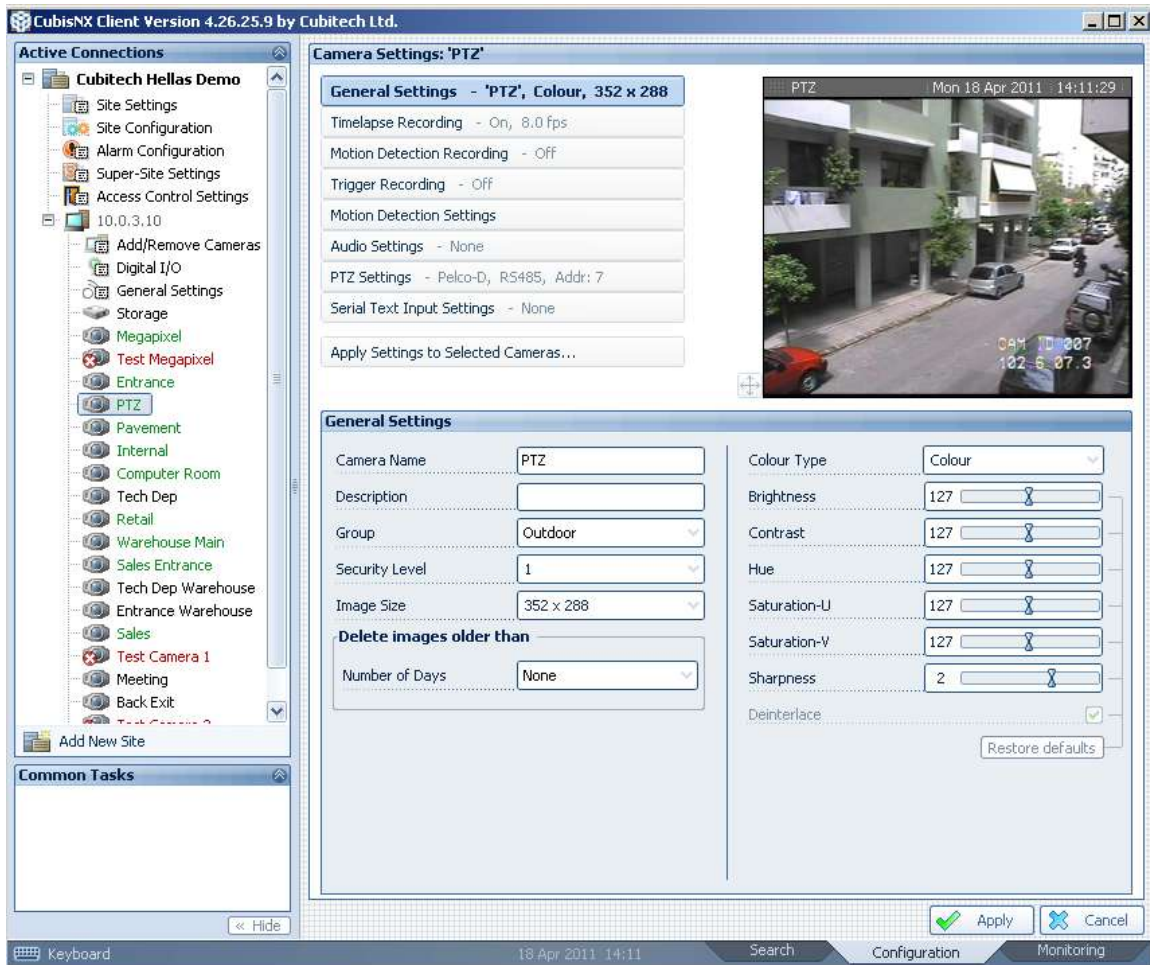
Else you can move your mouse to the graph and select the end of the box for each camera and slide it either to the right for increasing the size or to the left for decreasing the size of the allocated space for the camera.

If the CubisNX Server is equipped with more than one HDD then you can Drag n Drop the cameras from one HDD to an other.

Camera Settings

You can make changes among several settings like the name of the camera, Security level, resolution, brightness, sharpness etc.

Select the camera you want to make changes i.e. Camera 02, the camera settings will be displayed.



Each camera has a set of settings divided to the following.

- General Settings : Change the image settings of the camera like, Camera name, brightness, contrast, colour, security level i.e.
- Time Lapse Recording : Set the camera to record with time lapse. Set the desired Fps and also the schedule.
- Motion Detection Recording : Set the camera to record with Motion Detection. Set the desired fps, the pre / post event time and also the schedule.
- Trigger Recording : Set the camera to record when a Digital Input is activated. Set the desired fps, the pre / post event time and also the schedule.
- Motion Detection Settings : It includes the settings to customize the video detection. It also includes the mask area.



- Audio Settings : Set an audio channel to a camera input and change the audio quality for the audio input.
- PTZ Settings : Setup the system to work with PTZ camera. Also set the Patrol type.
- Serial Text Input Settings : Set the communication input port and the protocol for the text input.
- Apply Settings to Selected Cameras : Select the cameras to which you will apply the settings from one camera which you have already setup.

General Settings - 'PTZ', Colour, 352 x 288

Timelapse Recording - On, 8.0 fps

Motion Detection Recording - Off

Trigger Recording - Off

Motion Detection Settings

Audio Settings - None

PTZ Settings - Pelco-D, RS485, Addr: 7

Serial Text Input Settings - None

Apply Settings to Selected Cameras...

General Settings (Camera)

In the setup you can change the settings for each camera:

General Settings

<p>Camera Name <input type="text" value="PTZ"/></p> <p>Description <input type="text"/></p> <p>Group <input type="text" value="Outdoor"/></p> <p>Security Level <input type="text" value="1"/></p> <p>Image Size <input type="text" value="352 x 288"/></p> <p>Delete images older than</p> <p>Number of Days <input type="text" value="None"/></p>	<p>Colour Type <input type="text" value="Colour"/></p> <p>Brightness <input type="text" value="127"/></p> <p>Contrast <input type="text" value="127"/></p> <p>Hue <input type="text" value="127"/></p> <p>Saturation-U <input type="text" value="127"/></p> <p>Saturation-V <input type="text" value="127"/></p> <p>Sharpness <input type="text" value="2"/></p> <p>Deinterlace <input checked="" type="checkbox"/></p> <p style="text-align: right;"><input type="button" value="Restore defaults"/></p>
--	---

- Camera Name : Set a name for the camera
- Description : Type a description for the camera
- Group : Set a group for the cameras
- Security level : Set the security level
- Image Size : Set the image resolution
- Colour : Select the type of the Camera Color or B/W. For CubisNX Systems you can set manually if you want to set the camera to B/W in custom Hours of a day.
- Brightness : Adjust the Brightness
- Contrast : Adjust the contrast



- Hue : Adjust the HUE
- Saturation-U : Adjust Saturation-U
- Saturation-V : Adjust Saturation-V
- Sharpness : Adjust Sharpness
- Deinterlace : Apply the Deinterlace filter. Only available when the Image Size is set to 704x576.

Delete Images older Than

- Number of Days : Set the desired days that you wish the system to keep footage. If the settings allow to record for more days that the specified the system will automatically delete them.

Time Lapse Recording

Set the system for time lapse recording. You will have to enable the recording and set the image quality.

Timelapse Recording

Recording

Storage Type

Image Quality

Schedule

	Time of Day																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00	
Monday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tuesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wednesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thursday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Friday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Saturday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

[Manage Exceptions...](#)

- Recording : Set the Desired FPS (Off,1....20, maximum).
- Storage Type : Select the Storage type you desire. (Fixed Quality, Fixed Compression Size, Fixed number of Days).
- Image Quality : Set the quality of record. (Very Low... Excellent) For use with Fixed Quality only.
- Compression Size : Set the Compression Size in Mbps (0.1Mbps... 5Mbps) For use with Fixed Compression Size.
- Storage Days : Set the maximum number of days to record. The quality is set automatically to reach the amount of days desired. (1 Days.... 180 Days).
- Manage Exceptions : Set specific date- time exceptions for the system to stop recording for each camera.



Motion Detection Recording

Set the system to record only with motion detection.

Motion Detection Recording

Recording	7 fps		Pre-Event	Off	
Storage Type	Fixed Quality		Post-Event	3 Seconds	
Image Quality	High				

Schedule

	Time of Day																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00
Monday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tuesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wednesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thursday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Friday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Saturday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

[Manage Exceptions...](#)

- Recording : Set the Desired FPS (Off,1....20, maximum).
- Storage Type : Select the Storage type you desire. (Fixed Quality, Fixed Compression Size, Fixed number of Days).
- Image Quality : Set the quality of record. (Very Low... Excellent) For use with Fixed Quality only.
- Compression Size : Set the Compression Size in Mbps (0.1Mbps... 5Mbps) For use with Fixed Compression Size.
- Storage Days : Set the maximum number of days to record. The quality is set automatically to reach the amount of days desired. (1 Days.... 180 Days).
- Pre-Event : Set the seconds or minutes that there will be recorded video before a motion is determined.
- Post-Event : Set the seconds or minutes that there will be recorded video after a motion is determined.
- Manage Exceptions : Set specific date- time exceptions for the system to stop recording for each camera.



Trigger Recording

Setup the desired settings for activating Record controlled by an external device (Digital Inputs).

Trigger Recording

Recording	<input type="text" value="10 fps"/>	Pre-Event	<input type="text" value="Off"/>
Storage Type	<input type="text" value="Fixed Quality"/>	Post-Event	<input type="text" value="3 Seconds"/>
Image Quality	<input type="text" value="High"/>		
Triggers	<input type="text"/>		

Schedule

	Time of Day																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00	
Monday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tuesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wednesday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thursday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Friday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Saturday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunday	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00	
	Time of Day																									

[Manage Exceptions...](#)

- Recording : Set the Desired FPS (Off,1....20, maximum).
- Storage Type : Select the Storage type you desire. (Fixed Quality, Fixed Compression Size, Fixed number of Days).
- Image Quality : Set the quality of record. (Very Low... Excellent) For use with Fixed Quality only.
- Triggers : Select The Digital input that when it will be triggered the record will start.
- Compression Size : Set the Compression Size in Mbps (0.1Mbps... 5Mbps) For use with Fixed Compression Size.
- Storage Days : Set the maximum number of days to record. The quality is set automatically to reach the amount of days desired. (1 Days.... 180 Days).
- Pre-Event : Set the seconds or minutes that there will be recorded video before a motion is determined.
- Post-Event : Set the seconds or minutes that there will be recorded video after a motion is determined.
- Manage Exceptions : Set specific date- time exceptions for the system to stop recording for each camera.



Motion Detection Settings

Setup the desired settings for the motion detection.



Sensitivity: Set the sensitivity of the camera.

- Very High
- High
- Normal
- Low
- Very Low

Objects must be visible more than: Set the frames that the object should be visible to the camera to trigger the recording.

- 1 image
- 2 images
- 4 images
- 8 images
- 16 images

Objects must be bigger than :

- 9 Pixels
- 16 Pixels
- 36 Pixels
- 80 Pixels
- 160 Pixels
- 360 Pixels
- 780 Pixels

Active Detection Areas:





Un-Mask Areas: Select Un-mask areas to allow the Camera understand motion in the area set. Hold the left click and draw the area.

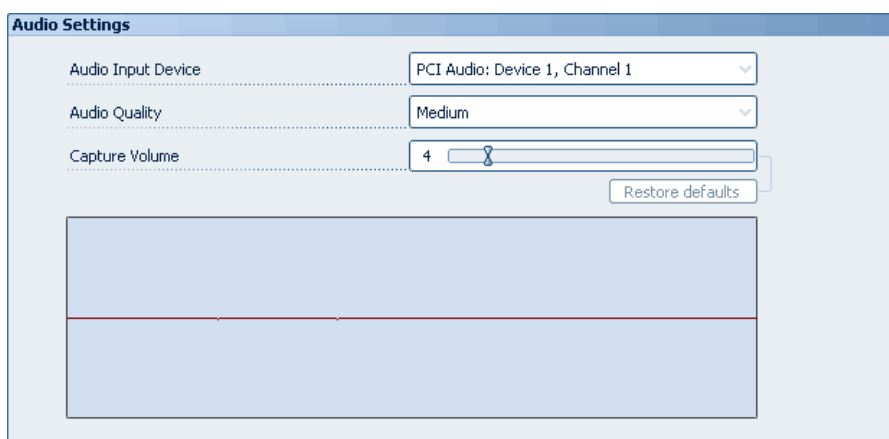
Mask Areas: Select mask areas to disallow the Camera understand motion in the area set. Hold the left click and draw the area.

Un-Mask All Areas: Clear all mask from the camera.

Mask All Areas: Set all cameras with mask.

Audio Settings

Enable the audio input to the camera and setup the quality:



1. **Audio Input:** It displays all the hardware audio inputs of the CubisNX Server. All audio inputs are located on the back of the Server. It is recommended to use the embedded hardware inputs:

Audio Input Device	Device
Mic	: Red input on CubisNX-R Servers (not used). Used only in CubisNXL Servers.
PCI Audio, Device 1, Channel 1	: Cable with label AU1
PCI Audio, Device 1, Channel 2	: Cable with label AU2
PCI Audio, Device 1, Channel 3	: Cable with label AU3
PCI Audio, Device 1, Channel 4	: Cable with label AU4
.....
PCI Audio, Device 1, Channel 16	: Cable with label AU16

2. **Audio Quality:** Set the desired audio quality. The choices are:

Low
Medium
High
Excellent

3. **Capture Volume:** Set the input volume of the hardware amplifier. Bigger the value more loud the output to your speakers.
(Attention as you increase the Capture Volume there might be some clipping)




4. **Audio Graph:** Observe the audio graph to prevent from clipping.

PTZ Settings

To make a PTZ camera work you will have to setup the protocol the baud rate and the ID. This is where you have to enter the settings to make the system communicate with the camera.

PTZ Settings

PTZ Protocol	<input type="text" value="Pelco-D"/>	<div style="border: 1px solid #ccc; padding: 5px;"> <p>On-Screen Menu Control</p>  </div>
Camera model	<input type="text" value="TBT TS-XXXX"/>	
Camera Address	<input type="text" value="7"/>	
COM Port	<input type="text" value="RS485"/>	
Baud Rate	<input type="text" value="2400"/>	
Patrol Configuration	<input type="text" value="All Presets - 10 Seconds"/>	
	<input type="button" value="Edit custom patrol"/>	
Idle Behaviour	<input type="text" value="Home Preset"/>	
	<input type="button" value="Edit Home Preset"/>	

The available choices are:

- | | | |
|------------------------|---|---|
| PTZ Protocol | : | Pelco – D, American Dyanamics, Panasonic, Merit Lilin |
| Camera model | : | Select the model of your camera. If it doesn't exist in the list you can choose a generic Protocol. |
| Camera Address | : | 1.....255 |
| COM Port | : | Com 1, RS-485, |
| Baud Rate | : | 1200-2400-4800-9600-19200-38400 Bps |
| Patrol Configuration | : | All Presets XX- Sec, Custom Patrol |
| Edit Custom Patrol | : | You can create a custom patrol and define the sequence and the time of the presets. |
| Idle Behaviour | : | Home position, None, Patrol configuration |
| On Screen Menu Control | : | For specific Models you can access the on Screen menu of your Camera* |

Note: The camera settings should be the same at the Camera and Server side.

**If you have another camera that you want to be fully supported please send us the request with full details and we will incorporate it to our S/W.*



Serial text Input Settings

Cubis NX Server can receive text - data from devices like POS, Cashiers, ATM or any other device that is capable to send text over Serial port. To enable this feature you have to setup the following settings.

- COM Port : Select the COM port from which the text data will be received
- Baud Rate : Setup the correct baud rate according to the device that sends the data over the serial port. The Baud rate must be setup the Same at the device COM port and also to the CubisNX server.
- Text Data Type : Select the appropriate Data Type that matches your configuration.



SEARCH

The search function will help you find easily moved objects from a selected area or find specific text from a text in device.

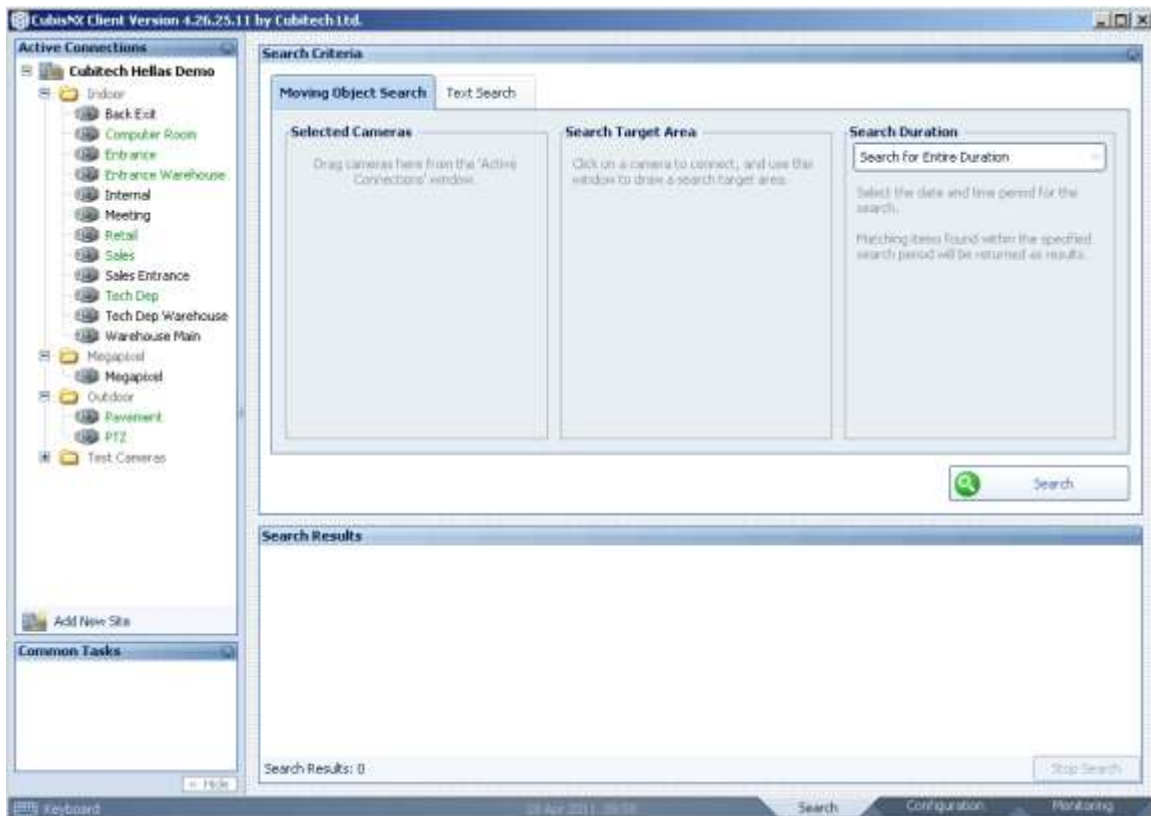
Accessing the search

In order to access the search you must have the appropriate security access to the cameras you wish to do a search.

To enter the search click on the bottom right corner the tab search.

About the search

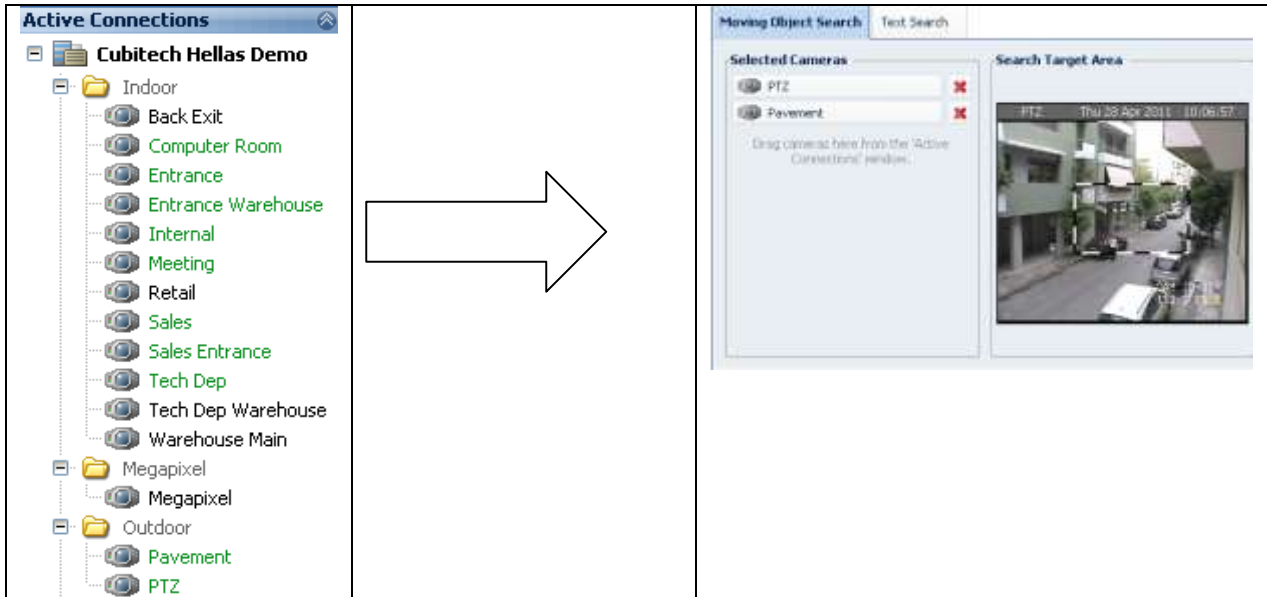
The search is divided to two parts. On the left you can select the cameras from which you can do a search whereas on the right you can select the type of search you wish to conduct and see the results.



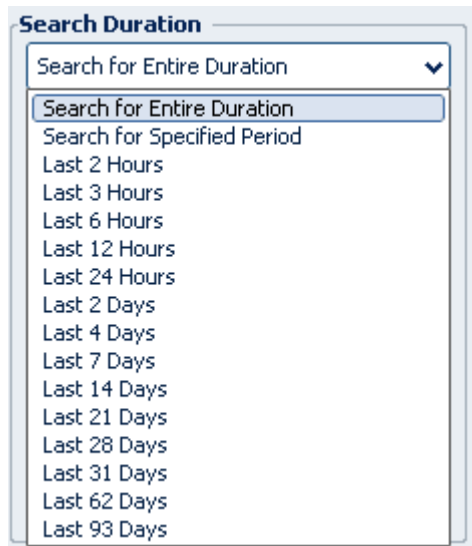


Moving Object Search


For making a search in a camera first you have to select the **Moving Object Search** and then select the cameras you wish to search from. Just click on the camera or drag and drop into the Selected cameras panel. The cameras you have selected will appear into the Selected Cameras and you can search for a moving object by marking the areas were the object was last seen.

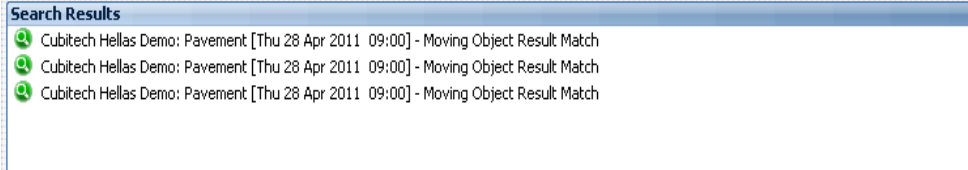


The next step is to select the duration in which you wish the system to conduct the Search. Under the Search Duration you will find several options concerning the time range the search will be done.

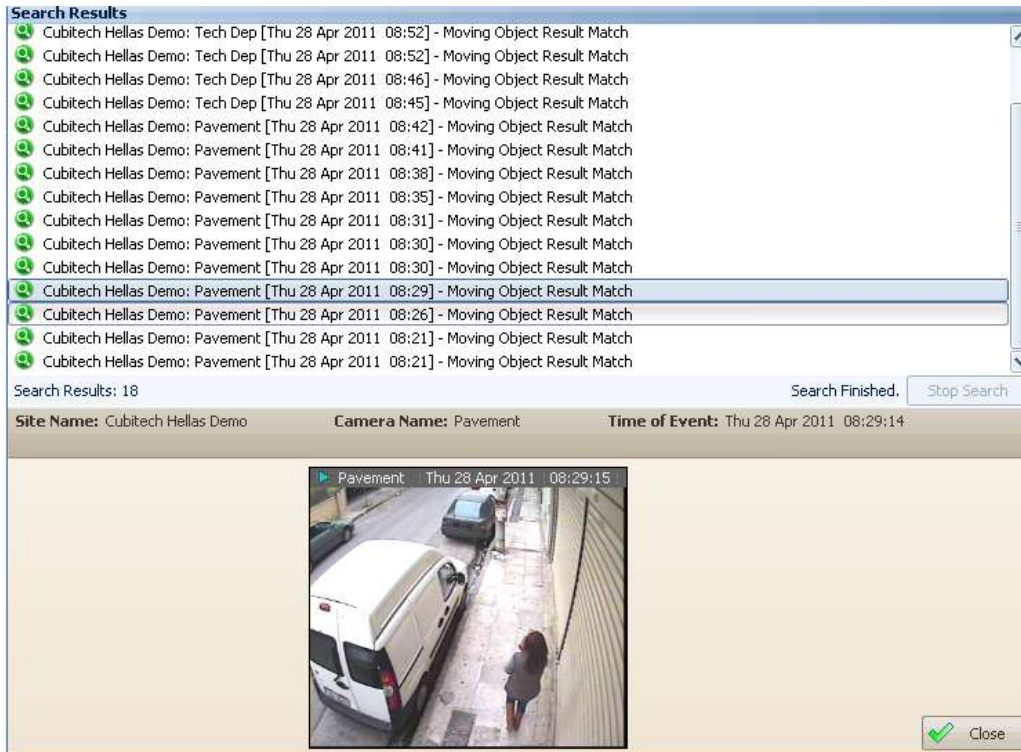


After selecting the search duration you are ready to start a search.



Simply click on the  Search button and it will start. The results will be displayed shortly under the Search Results window.



Select the item you wish to be displayed by clicking on it.

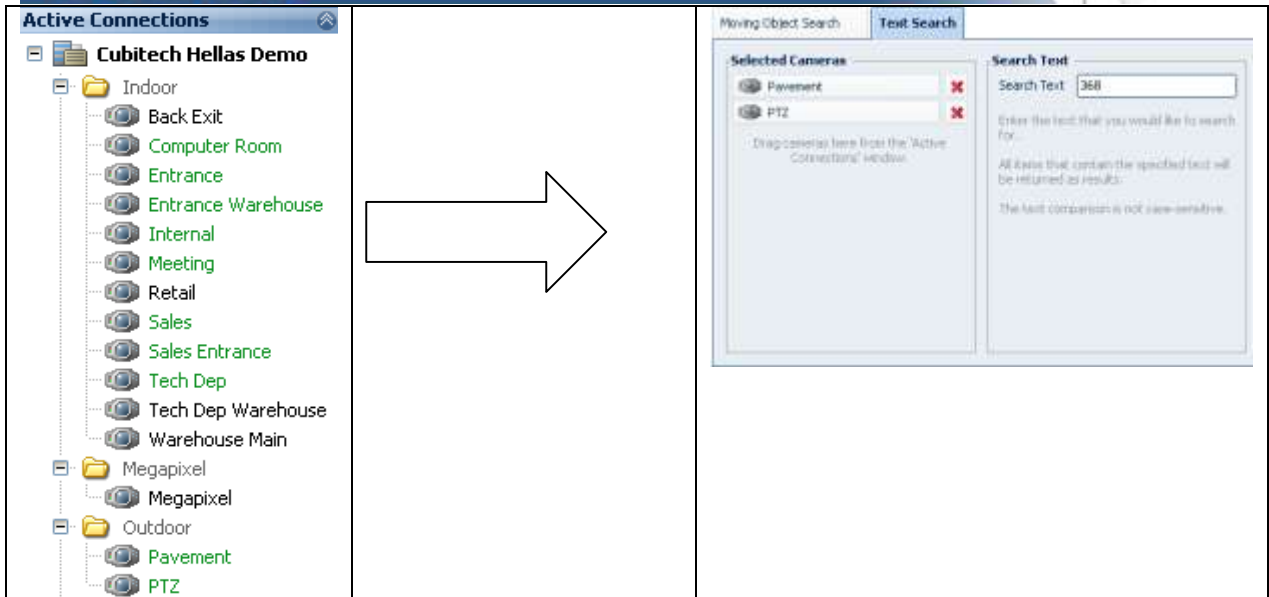


In case that you wish to stop the search at any time just click on the [Stop Search](#) button.

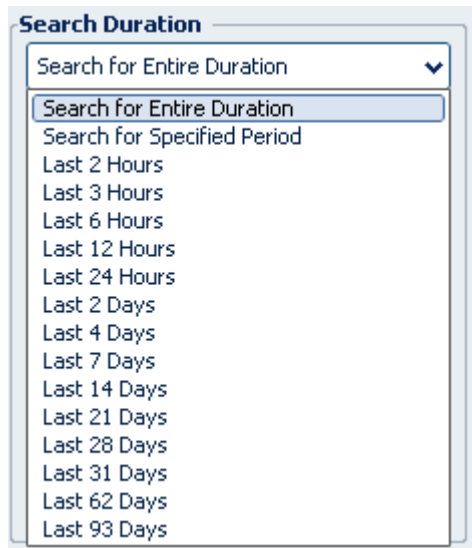
When the results are displayed and you wish to change the search criteria simply click on the  and the criteria will be displayed again. If you wish to hide the criteria again click on the .

Text Search


For making a search in a camera first you have to select the [Text Search](#) and then select the cameras you wish to search from. Just click on the camera or drag and drop into the Selected Cameras panel. The cameras you have selected will appear into the Selected Cameras and you can search for text by typing the text you wish to find into the .

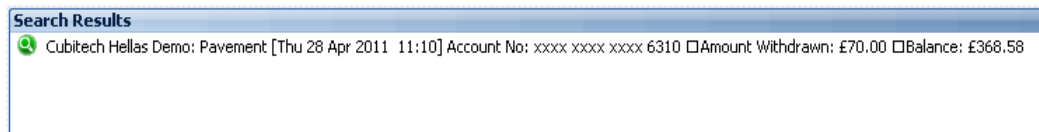


The next step is to select the duration in which you wish the system to conduct the Search. Under the Search Duration you will find several options concerning the time range the search will be done.



After selecting the search duration you are ready to start a search.

Simply click on the  Search button and it will start. The results will be displayed shortly under the Search Results window.



Select the item you wish to be displayed by clicking on it.



Search Results
Cubitech Hellas Demo: Pavement [Thu 28 Apr 2011 11:10] Account No: xxxx xxxx xxxx 6310 Amount Withdrawn: £70.00 Balance: £368.58


Search Finished,

Search Results: 1 Search Finished.

Site Name: Cubitech Hellas Demo
Camera Name: Pavement

Pavement Thu 28 Apr 2011 11:10:12

Account No: xxxx xxxx xxxx 6310
Amount Withdrawn: £70.00
Balance: £368.58



In case that you wish to stop the search at any time just click on the button.

When the results are displayed and you wish to change the search criteria simply click the and the criteria will be displayed again. If you wish to hide the criteria again click the .



For more information contact the technical department of Cubitech.

Web: www.cubitech.com

Email : support@cubitech.com

Phone: +302109580888.