

# **PIVOT PRO SOFTWARE USER MANUAL**

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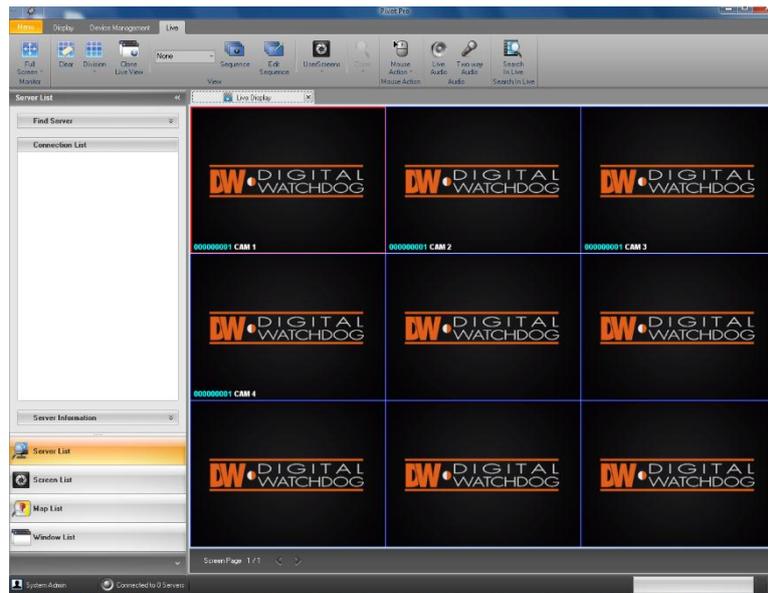
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# 1 WHAT IS PIVOT PRO

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## 1.1 PRODUCT DESCRIPTION

**Pivot Pro** is powerful, feature-rich network management software. A variety of DVRs, servers, and IP cameras can be connected and centralized. This feature enables you to manage, control, and monitor those devices on one local computer or site. **Pivot Pro** is not only efficient with watching live video; it is also easy to control the connected DVRs and IP cameras from anywhere. Pivot Pro is a feature rich program with an easy to learn graphical user interface.



## 1.2 FEATURES

- Easy click live screen navigation
- Remote Setup available on various DVRs, Servers and IP cameras
- Professional Alarm monitoring and reports
- Health Check (video, recording, Disk status, storage failure)
- Remote POS support
- Multiple device search (PC DVR only)
- Multiple monitors supported (Windows XP or higher version of OS required)
- Simultaneously searches up to 64 channels
- Records live video with IRS server
- Monitors the status of devices from anywhere
- Auto notification by e-mail or triggered events
- Actions on alarm(image capture, sound and screen popup)
- Digital Watermarking to prevent counterfeiting

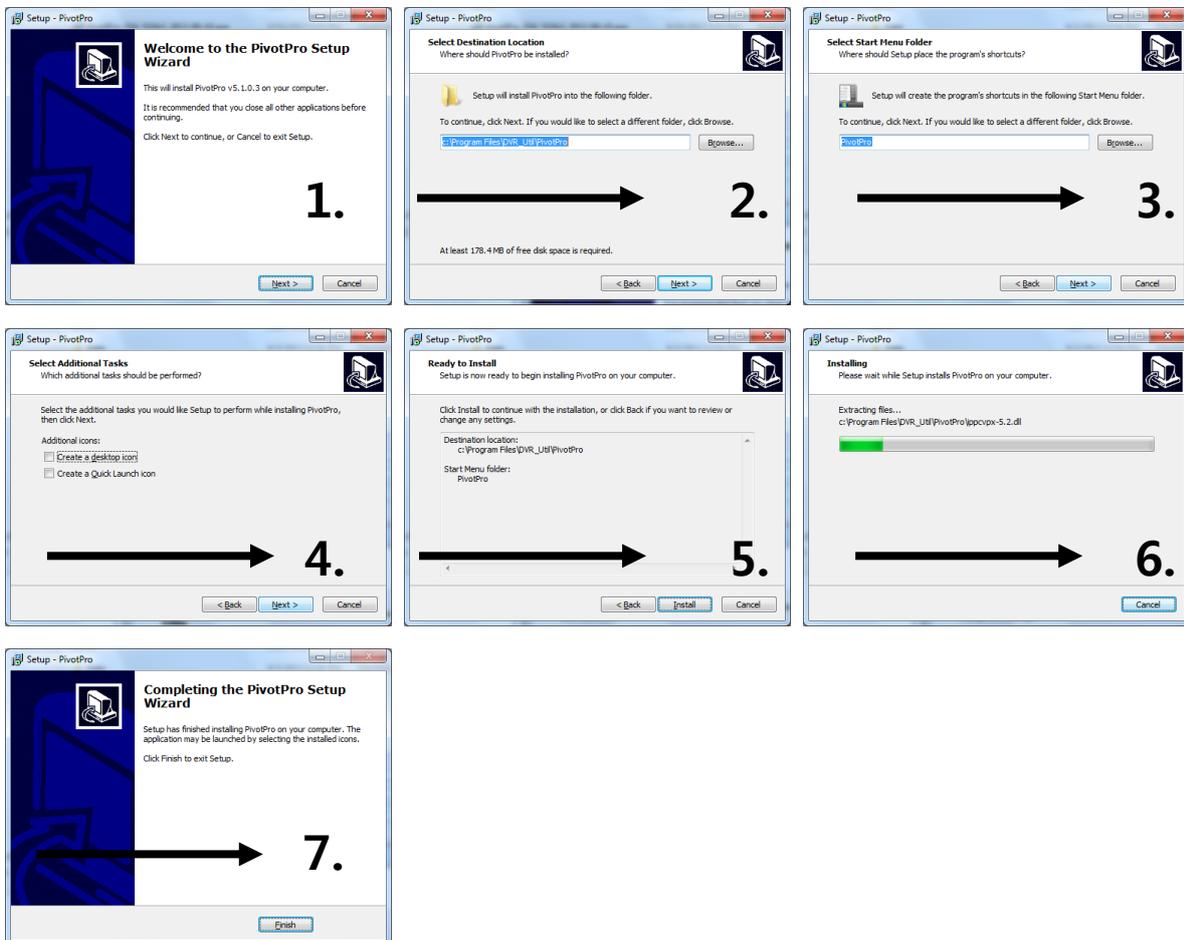


## 2 . GETTING STARTED

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### 2.1 INSTALLING PIVOT PRO

1. Run the Setup file and click the 'next' button to complete the installation.
2. Select the directory folder where the **Pivot Pro** software will be installed.
3. Select the Start Menu location.
4. Select whether to create a Desktop icon and Quick Launch icon.
5. Check status and select Install.
6. Click Finish once installation is complete



#### **NOTE: How can I backup configuration data when re-installing this software?**

You can export and import the software's configuration data using the 'Data Manager' (DM) utility. Go to 'Start' → 'Program files' → '**Pivot Pro**' → 'Data manager' and use the 'Export/import' feature to save / restore configuration data.

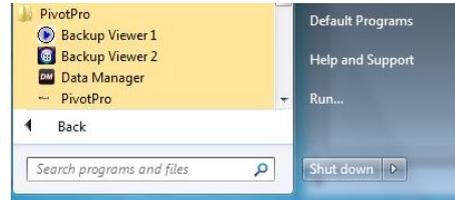
## 2.2 FIRST TIME LAUNCHING PIVOT PRO

1. To run 'Pivot Pro' go to 'Start' → 'Programs' → 'Pivot Pro', or double click on the **Pivot Pro** desktop icon.

### NOTE: 30 Day Free Trial Version

**Pivot Pro** is provided under a 30 day free trial version.

To use the software beyond that, register the software by contacting Digital Watchdog's Technical Support team at 1-866-446-3595, Monday through Friday between 9:00AM and 8:00PM EST. See 2.3 REGISTRATION for more information.

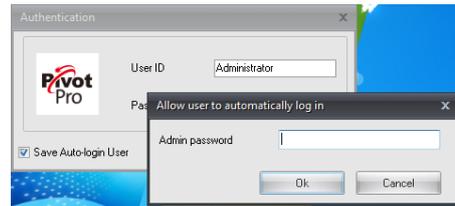
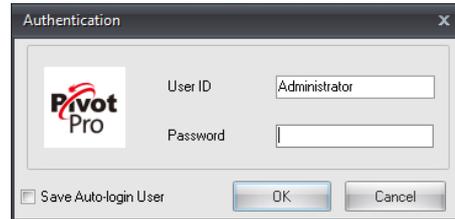


2. The software will prompt you to set a new password for the Administrator user. You can set your own password and then log in with the new password, (recommended), or leave blank (Default)

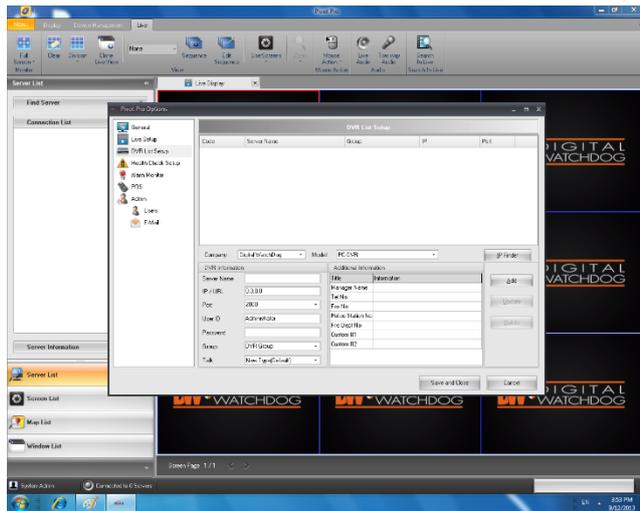
Default ID/PW is 'administrator' and <blank>.

### NOTE: Administrator Auto Login

Only the Administrator is allowed to be setup for auto log in. To do so, check the 'Save Auto Login User' box in the login window and input admin's password.



3. After logging in, you will see the main **Pivot Pro** windows below.



## 2.3 REGISTRATION

**Pivot Pro** is provided as a 30days trial version. To use **Pivot Pro** continuously, you must register and receive the appropriate licenses.

**To register the software and activate licenses:**

1. In the software's main page, go to 'Menu→Register'.
2. Click ok when system displays the message to close **Pivot Pro**.



PivotPro Register

Register

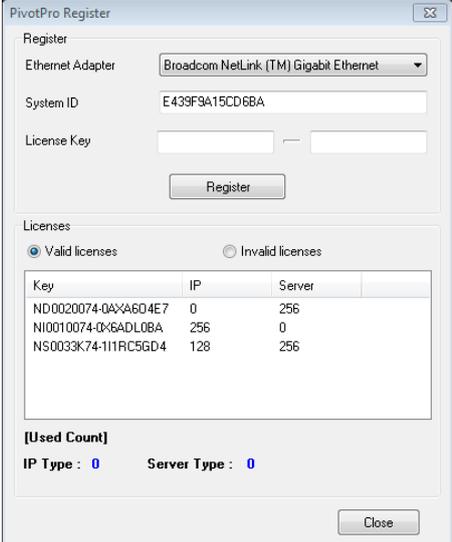
Ethernet Adapter: Broadcom NetLink (TM) Gigabit Ethernet

System ID: E439F9A15CD6BA

License Key: [ ] - [ ]

Register

3. Contact Digital Watchdog's Technical Support team and provide them with the System ID. Contact information: 1-866-446-3595, Monday – Friday, 9:00AM - 8:00PM EST.
4. Enter license key issued and press the 'Register' button.
5. Licenses will appear in the table under Valid Licenses as seen below.



PivotPro Register

Register

Ethernet Adapter: Broadcom NetLink (TM) Gigabit Ethernet

System ID: E439F9A15CD6BA

License Key: [ ] - [ ]

Register

Licenses

Valid licenses  Invalid licenses

| Key                 | IP  | Server |
|---------------------|-----|--------|
| ND0020074-0AxA604E7 | 0   | 256    |
| NI0010074-0x6ADL0BA | 256 | 0      |
| NS0033K74-111RC5GD4 | 128 | 256    |

[Used Count]

IP Type : 0      Server Type : 0

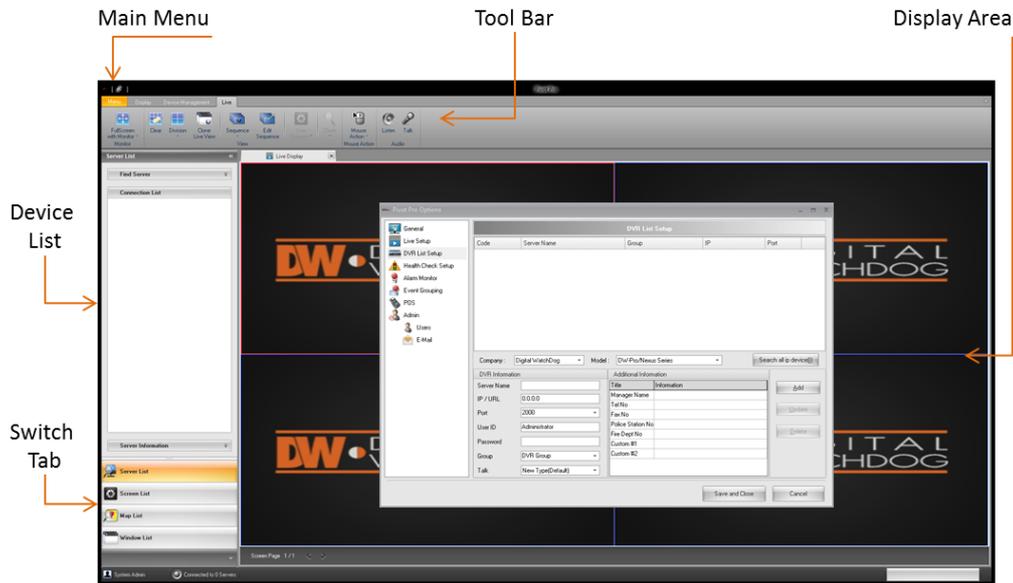
Close

### NOTES:

- You can add multiple license keys pending on how many and which type of connections you have.
- IP License Key type is for IP device connections, server key means DVR connections.
- Some Operating systems may require running **Pivot Pro** as an administrator for proper registration.
- There are no functional differences between the Trial and Registered versions.

### 3 PIVOT PRO OUTLOOKS

The Main window is shown when you start running **Pivot Pro**. This consists of three parts: Main Menu, Tool Bar and Display Area.



#### Main Menu & Tool Bar

The Main Menu's Tool bar includes four options: Menu, Display, Device Management, and Live options. Each option has its own tool bar features.

#### Main Menu

The Main Menu button offers control options for: Live, Search options, Health Check and alarm reports, Software settings, log, software registration and version information, log off, and Exit.

#### Display

The Display tab offers control options for: go to Live, Search, Open the Health Check, Alarm Monitor, or general Reports.



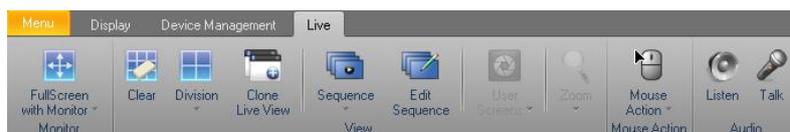
#### Device Management

The Device Management tab offers options for: remote device configuration, Network Backup, Clip Backup, and Backup Viewer.



#### Live

The Live tab offers options including: Viewing options, control Sequences, Zoom and mouse control, and audio options.



**NOTE:** Some features may not be supported by all models.



## Live Display

The display area displays real time live, and recorded image for connected devices.

## Device List

The device list shows the status of your devices. You can add, modify, and delete a device, a node, and also configure details for each individual device.

## Switching Tab

The switching tab offers additional options such as server list, map list and window list.

### 3.1 ADDING DISPLAYS

To add a display pane, choose the desired display and click on it. It will open as a new tab at the top of the window, allowing you to monitor multiple aspects of your security system simultaneously.

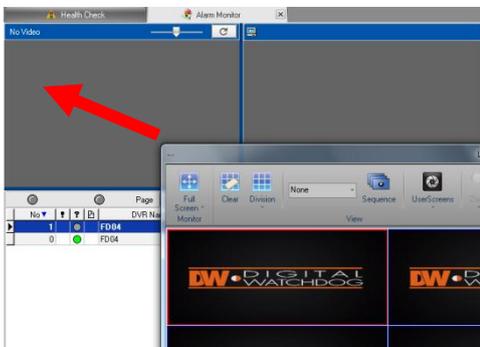


### 3.2 SPLIT & MERGE DISPLAYS

A user can split displays as separate windows and merges into the main display area. To split a display, click and hold the desired display tab and Drag it and drop (see pictures). The gray outline will indicate that you are dragging the tab outside into a new window.



To merge separated display windows, drag the separated window to the center of the Main display and drop it.



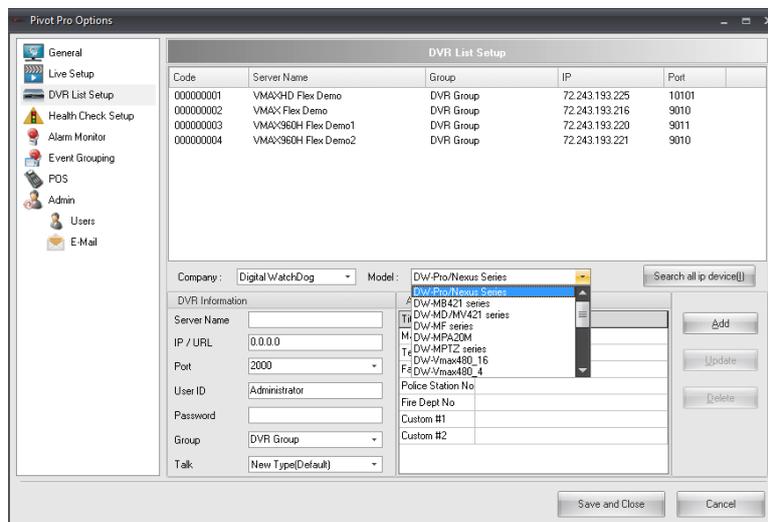
## 4 ADDING/ DELETING/ UPDATING CONNECTIONS

To add, update or remove a server or IP device, go to the software settings page.

1. To access the Settings Page:
  - a. Right click on the Device List Panel and select 'Add Device'
  - b. Go to the Main Menu button, and select 'Settings'.
  - c. Click on the 'Settings' button located at the top left corner of the **Pivot Pro** software window.



2. Go to 'DVR List Setup'. The Device Management Page will appear as below:



### 4.1 ADDING A CONNECTION

1. Make sure Digital Watchdog is selected under Company.
2. Select the appropriate model from the drop down list. If you are connecting to a MEGApix IP camera on the same network as the software, use 'Search All IP Device' to find it.
3. Enter the following server information:
  - a. **Server Name:** enter a name for your DVR
  - b. **IP/URL:** enter DVR IP or URL address.
  - c. **PORT:** select from the default option or manually enter the corresponding port.
  - d. **User ID & Password:** enter the DVR's User ID and Password.
  - e. **Group:** Choose to what group to add the DVR. To add a new group, click on the group name and type a new name.
  - f. **Talk:** This option is only for PC Base DVR.

| DVR Information |  |
|-----------------|--|
| Server Name     | <input type="text"/>                           |
| IP / URL        | <input type="text" value="0.0.0.0"/>           |
| Port            | <input type="text" value="2000"/>              |
| User ID         | <input type="text" value="Administrator"/>     |
| Password        | <input type="password"/>                       |
| Group           | <input type="text" value="DVR Group"/>         |
| Talk            | <input type="text" value="New Type(Default)"/> |

4. If all information is correct, press the 'ADD' button.
5. The registered DVR will be displayed on the 'Device List' in Main page. Click 'Save & Close' to save all changes, or add additional devices by following steps 1-3 as needed.

## **4.2 UPDATING A CONNECTION**

1. Go to Setup → DVR List Setup.
2. Select a device you would like to modify from the DVR List.
3. Make changes with DVR information/Additional information.
4. Click 'Update'. To save all changes, click 'Save & Close'.

## **4.3 DELETING A CONNECTION**

1. Go to Setup -> DVR List Setup.
2. Select a device you would like to remove from the DVR List.
3. Click 'Delete'.

**NOTE:** Click Save & Close to save all changes. The system will disconnect all devices currently connected.

## 5 CONNECTING AND ASSIGNING CHANNELS

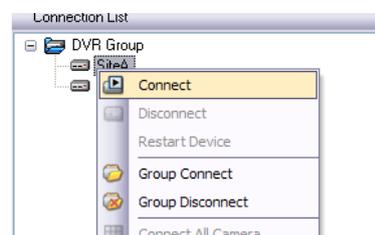
### 5.1 CONNECTING A DEVICE

Icons Description:

| Icon  | Description  |
|---|--|
|  | A device is NOT connected.   |
|  | A device is trying to establish a connection.  |
|  | A device has failed to connect with current user credentials.                                      |
|  | A device is connected.   |
|  | A channel NOT being displayed on Live Screen.  |
|  | A channel being displayed on Live Screen.  |
|  | A channel NOT being recorded – <i>available only for devices that support recording live video</i> |

#### Single Device Connection

1. Right-Click any device you would like to access.
2. Click 'connect'.
3. The icon for this device will change to .
4. To view individual cameras in the device you can press the '+' next to the device name and select which channels you want to connect to.



#### Connect all Devices

You may also establish a connection with multiple devices in the same group or all the devices in the 'Server List'.

1. Right Click on the group name you want to connect to.
2. Select 'Group connect'.
3. When **Pivot Pro** completes establishing connections, all devices under that group will appear connected.
4. After connecting to devices, you can expand/collapse each camera and examine its state by clicking '+/-'.



## 5.2 ASSIGNING A CHANNEL INTO A LIVE SCREEN BY DRAG & DROP.

**Pivot Pro** enables you to monitor all channels' live video, or choose individual channels and display them. Arrange channels on Live display pane the way you need.

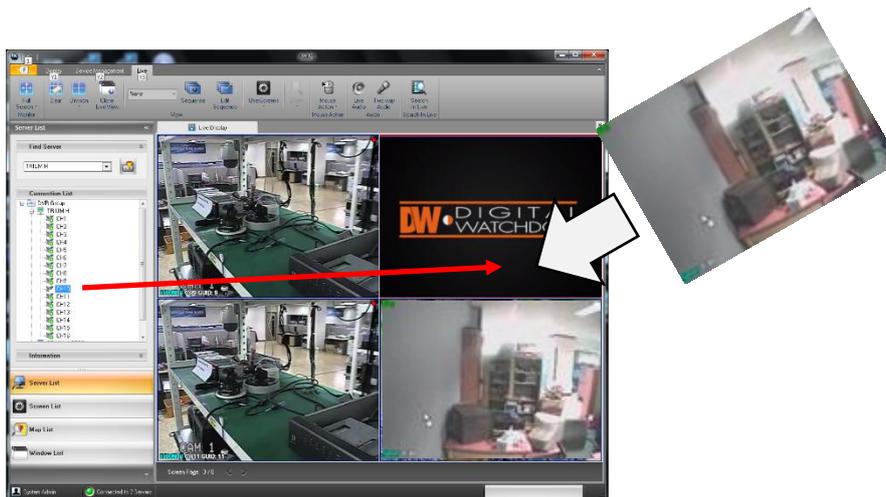
### 5.2.1 Simultaneously assigning all channels into live screen

1. Right click  item and go to connect all cameras.
2. All cameras under that device will appear connected  and will display a live image on the display screen.



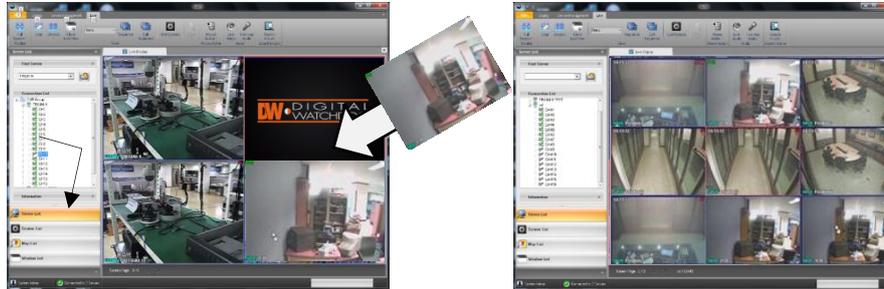
### 5.2.2 Assigning a channel into a live screen by Drag and dropping

1. Select an individual camera you would like to monitor from the device list.
2. Click and hold the camera and drag it into the display slot you would like to assign to that camera.



### 5.2.3 Assigning a channel into a live screen by double clicking

1. Double-click any camera you would like to monitor.
2. The camera's display will appear in the first empty live screen in the display area.



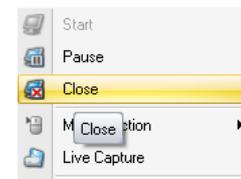
### 5.2.4 Rearranging Live Screens

1. Select a live screen to move.
2. Drag and drop it on any live screen you'd like to place.



### 5.2.5 Closing Live screen

1. Right click a live screen you'd like to close, and click 'Close'. This action will close only the single channel you clicked on.



2. To clear the entire live screen, press  button on live tool bar. All cameras and devices will remain connected, but not displaying information.

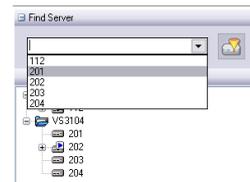
## 6 FEATURES ON LIVE MODE

The Device List Panel offers you a quick and simple visual of all your devices, their status, and easy access to viewing live or playback data. You can also view the device's name, IP address and server information, or filter your device list to find a specific device.

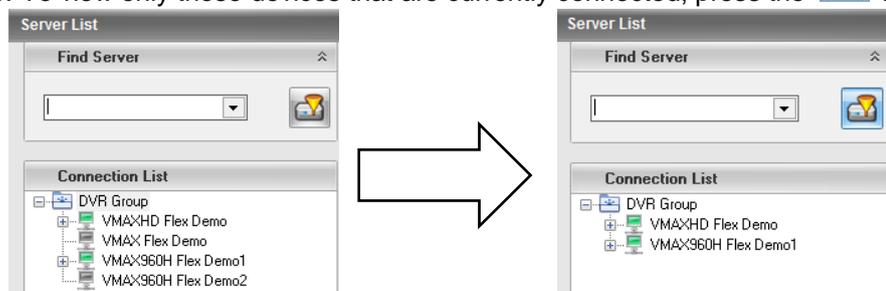
### 6.1 FINDING A SERVER

The Find Server feature enables you to quickly and easily filter all your devices and find a specific device.

1. Expand Find Server by clicking on the arrow next to the Find Server to expand the search.
2. Enter the server name or select one from the drop-down list by clicking on '▼'.



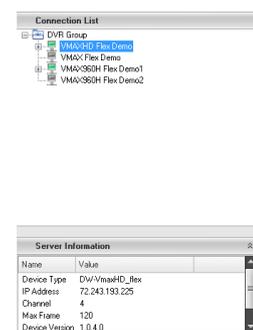
3. To view only those devices that are currently connected, press the  icon.



### 6.2 GETTING DETAILS WITH A DEVICE

You can easily get the details such as the Device Type, IP Address, Channel and Maximum Frame Rate, with any device from the 'Server Information' portion without going to DVR list setup.

Expand Information by clicking on the arrow next to 'Server Information'.

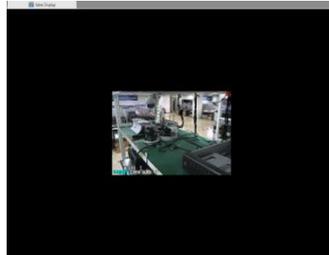


## 6.3 SINGLE SCREEN MODE

1. Double click the desired Live screen and the Live screen will be displayed in the single screen mode.
2. By default, the image will appear in the original size when in single channel mode. The larger the image's resolution, the bigger it will appear on the screen.



< 704 x 480 >



< 352 x 240 >

3. Double click the Live screen to return the multiple Live screen mode.

## 6.4 FULL SCREEN MODE

To switch to full screen mode, click  in the live display tool bar.

To exit full screen mode, right-click a live screen and go to 'Fit to Window' or press the ESC button on the keyboard.

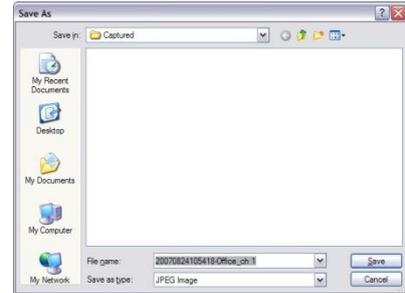


## 6.5 PAUSING LIVE VIDEO

1. Right-click the Live screen you'd like to view and click on 'Pause'.
2. To restart the live video, right-click the screen and click 'Start'.

## 6.6 CAPTURING LIVE VIDEO

1. Right-click the live screen you want to capture and click on 'Live Capture'.
2. Select the location where you want to save the file
3. Enter a file name. The image can be saved as a JPEG or BMP file.
4. Click Save.



## 6.7 SWITCHING TO ANOTHER SPLIT LIVE SCREEN MODE

1. Click  from the live display toolbar.
2. Select the display option from the drop-down menu.



## 6.8 CLONE LIVE VIEW

You can copy the current live view into a new window by clicking the 'Clone Live View' button on the live display toolbar.

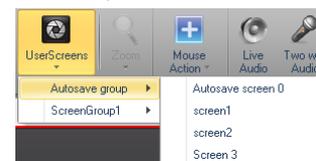
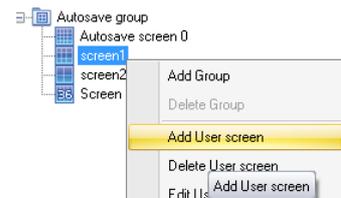
## 6.9 USER SCREEN

The Screen List panel displays all saved layouts and display options. You can use this section to manage and adjust the display options for each user, and edit or create new sequences.



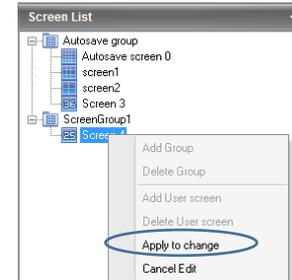
### 6.9.1 Add a User Screen on Screen List

1. Select 'Screen List' on left side display panel.
2. Right click on 'Screen list' and Add Group and name it.
3. Adjust the display screen as needed. Add the cameras you want to include in this screen and the display layout option.
4. Right click on the Group and select 'Add User Screen'. Enter a name to distinguish this screen and save it to the screen list. If you click on the empty space in the panel and select Add User Screen, the new screen will be saved under a new group.
5. You can limit which screen displays each user will have access to. (See section 11.7 Users for more information).
6. To view a saved screen layout, you can double-click on the screen layout name in the Screen List panel, or click on the User Screen button in the live display toolbar and select it from the drop-down menu.



### 6.9.2 Edit user screen on Screen list

1. Move to Screen List and select a user screen to edit.
2. Right click and select 'Edit User screen'.
3. Select screen division on live tool bar and adjust the cameras displayed.
4. Right click the user screen again and select 'Apply to Change'.



### 6.9.3 Delete user screen on Screen List.

1. Move to Screen List and select a user screen/Group to delete.
2. Right-click and select 'Delete Group/ Delete User screen'.

## 6.10 SEQUENCE / EDIT SEQUENCE

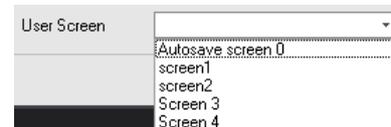
You can create multiple sequence orders between different layouts and views. The available sequence options depend on the available User Screen layouts. To use a Sequence, at least two (2) User Screens should be registered first. See section: 6.9 User Screen for more information.

There are two kinds of sequences available:

- Normal Sequence- if selected, the software will start a sequence of the current display layout, running through all 128 available channels.
- User Screen Sequence- this option requires initial setup before it can be used.

### 6.10.1 Add Sequence & User Screen

1. Press 'Edit Sequence' on live tool bar.
2. Press 'Add Sequence' button.
3. If necessary, name the sequence accordingly.
4. Click 'User screen' and choose from the saved User Screens in the drop-down menu, which screens to use.
5. Press 'Add Screen' button to add the individual screens.
6. The order in which you add the screen layouts is the order in which the screens will appear when you run the sequence. You can readjust the order of the screens by dragging and dropping them in the table.



7. To change Dwell Time (how long the screen layout will be displayed before moving to the next layout), click on the Dwell Time field and adjust the time.

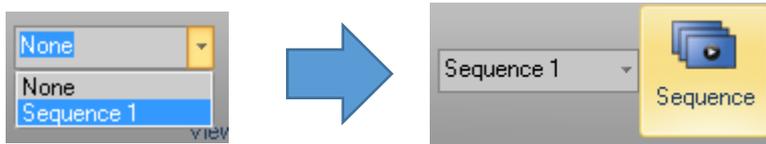
| Sequence Information |             |            |        |
|----------------------|-------------|------------|--------|
| No                   | Screen Name | Dwell Time | Layout |
| 1                    | screen1     | 10 sec     |        |
| 2                    | screen2     | 10 sec     |        |
| 3                    | Screen 3    | 10 sec     |        |
| 4                    | Screen 4    | 10 sec     |        |

8. Click 'OK' to save the new sequence.

### 6.10.2 Run Sequence

To run a saved sequence:

1. Go to the Sequence button in the live display toolbar
2. Select 'User Screen Sequence'
3. Click on the Sequence icon on the live tool bar.
4. To start/ stop the sequence, press the Sequence button.

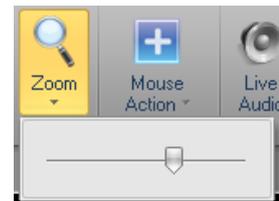


5. You can double click on any single channel to pull in single channel mode during the sequence. The channel display will return to the sequence order after the set dwell time.

### 6.11 ZOOMING IN/OUT LIVE VIDEO

You can zoom in/ out in single channel viewing mode. To do so, click the zoom button in the live display toolbar and adjust the digital zoom using the slide bar on the Live Display tool bar.

To return the screen to its original size, right-click on the image and select 'Real Size'.



**NOTE:** This features only works in single channel mode.

### 6.12 MOUSE ACTION

To control the mouse's function, go to the Mouse Action button in the live display toolbar.

#### Normal mouse control

- This option is set by default. When selected, this option allows you to use your mouse to select, drag & drop, double-click etc.

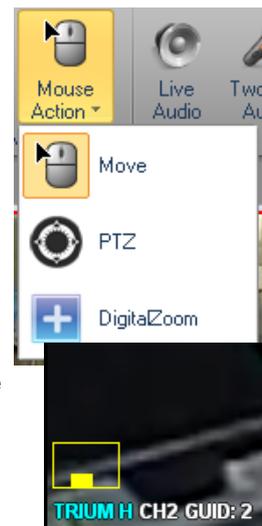
#### PTZ

- This option is available when a channel is configured as a PTZ in the DVR. Use drag and drop and the mouse wheel to control zoom in / out.

#### Digital zoom

- When enabled, use your mouse to digitally zoom into an image. Unlike the zoom function, this feature can be applied in a multiple display view. Use the mouse to create a zoom window, move its position, and wheel to zoom in/ out.

- A yellow box will be displayed on the bottom-left of the display area. The filled yellow box is the area currently displayed in zoom. The area size can be adjusted using the mouse wheel.

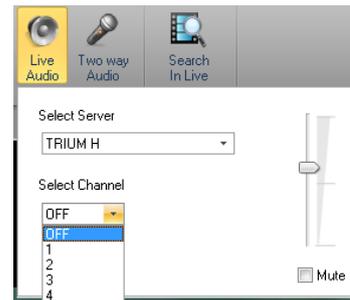


## 6.13 LIVE AUDIO

Select server and channel of audio connected to a DVR to hear live audio. To get audio sound, proper audio signal input is required.

To get live audio sound:

1. Select server from the drop-down list.
2. Select a channel with audio setup for it.
3. Adjust volume accordingly.



## 6.14 TWO-WAY AUDIO (SUPPORTED MODELS ONLY)

Two-way audio enables you to communicate between a server and **Pivot Pro** software station.

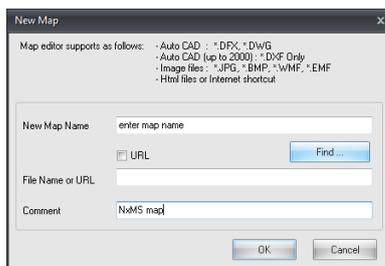
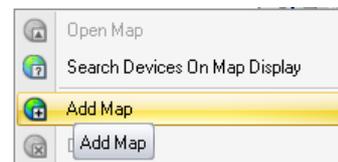
# 7 MAP

Remotely manage your site where security devices are installed using a graphical map.

## 7.1 USING MAP.

1. Click 'Map List' on the left side.
2. Right click and select 'Add Map' to add a new map.

Then, press find and select map file.



- **New Map name** : enter a name to be displayed.
- **URL** : check this option when you use a site linked map.

3. Press OK to see the added map.

4. Unlock the lock icon and select which map items to place on the map. These will represent the actual camera/ sensor/ relay/ server in their position. You may also add a link to another map for advance locations such as campuses, large building complexes and so forth.



5. Drop the selected icon on the map. In the new pop-up window:
  - a. Select the server associated with this icon.
  - b. Select the individual camera channel that is associated with this icon.
  - c. Select the icon size.
  - d. You can also setup a background color for the text to be better visible in the map.
  - e. If applicable, enable audio for this camera.
6. Registered camera displayed on map.

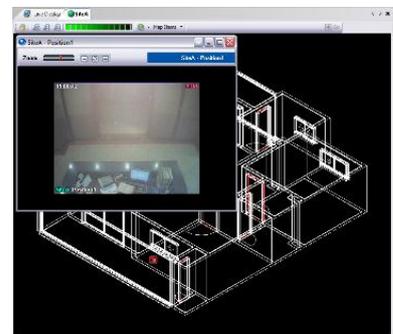


Registered



Event Receiving

7. Cameras that register events, such as motion or sensor activation will have a ripple around the icon. You can also set the map to automatically popup a small screen of the camera where an event has been recorded.



## 7.2 JUMPING TO MAP DISPLAY FROM LIVE VIEW

After setting up the map, you can directly jump to the map display while in live viewing mode.

To do so:

1. Right-click the device on the 'Server List' which is linked to a map.
2. Select 'Move to Map' and choose the applicable map.
3. The linked map will be displayed on the 'Display Window' in a new tab.

## 8 SEARCH

---

Pivot Pro provides you easy search with following features:

- **Status Search:** Check recording data status and search.
  - **Preview Search:** Displays the first frame of each hour, 10 Minutes, and 1 minute data. This is useful when you need to locate small changes in the video across a large span of time.
- **Bookmark Search:** Add bookmark and search fast.
- **Print:** print selected image for your records.
- **Save:** export recorded images as JPEG and AVI format.
- **Mouse Action:** Mouse action options same as in live modes.

### 8.1 ENTER SEARCH MODE

You can open a Search tab from the main display area and still keep your live display view running the background. Listed below are several ways you can switch from live to search mode:

1. Right-click on a single channel in live mode and select 'Search'
2. In the 'Display' toolbar, select 'Search'
3. While in 'Alarm Monitor' display, right-click any of the supported events (motion / sensor) and select 'Search'.

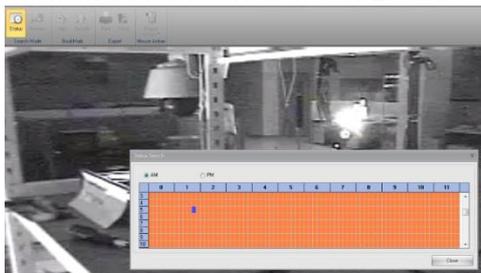
In search mode, the following toolbar will be available instead of the live display toolbar:



### 8.2 STATUS SEARCH

The status search allows you to visually see when recorded data is available for each channel of the DVR for the current day. Please note that if you are looking for the status search in the AM, most of the status search will appear empty. To perform a Status Search:

1. Move to Search mode and click the 'Status' icon. The table will display the DVR's channels in the left column, and 24 hours in the upper row in a 12 hour format. Choose AM/ PM to adjust the search view.
2. Click on a block to view video. Each block represents 10 minutes.

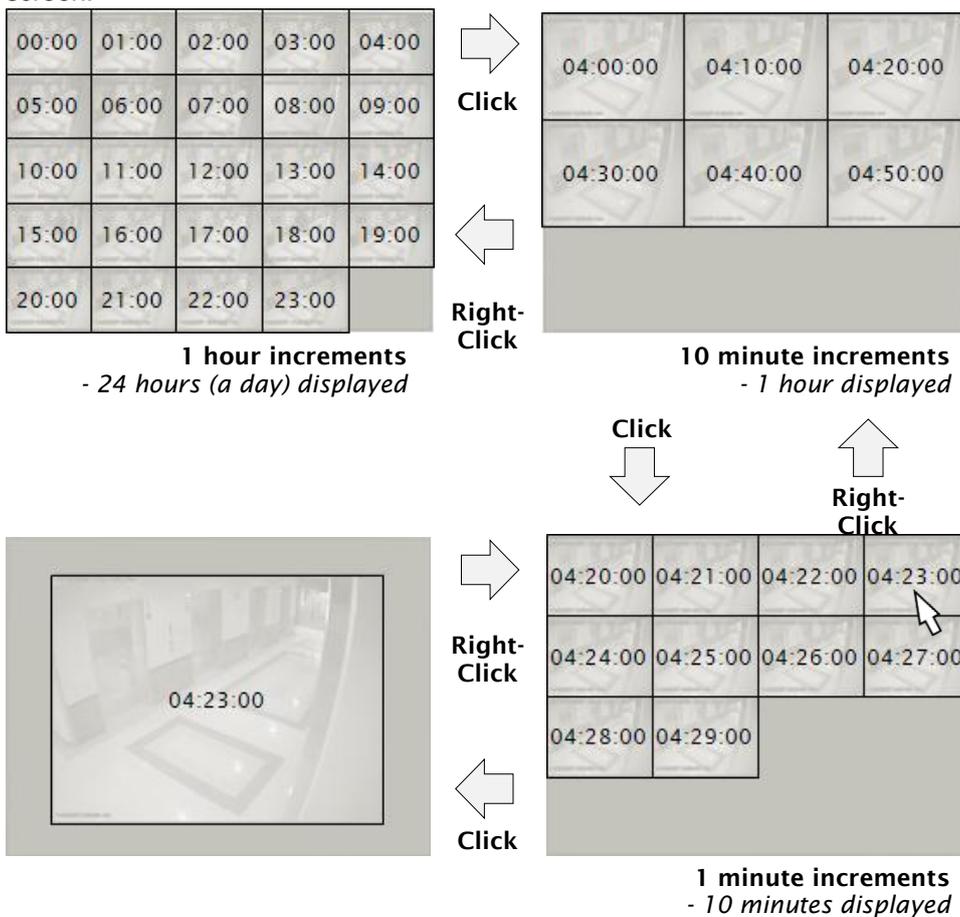


### 8.3 PREVIEW SEARCH

**Preview Search** allows you to quickly find an exact moment where an event occurred. The search displays a 24 hour visual overview of a single channel, one image for each hour of the day. The search can be narrowed down into single minute periods. (Not supported on VMAX480, VMAX Flex, VMAX960H models).

To perform the **Preview Search**:

1. Move to search and select the 'Preview' icon.
2. Select a desired camera from the connection list.
3. Select the specific day from the **Calendar**  button. Please note that the Preview search applies only to a single day for 24 hours.
4. Click the **PREVIEW SEARCH** button.
5. The 24 images for each hour for the selected day will populate on the **Search Display Area**. Please allow up to five (5) minutes for all the images to appear. If there is an hour where no data was recorded, 'No Data' will appear for that hour.
6. You can click on each individual time slot to "zoom in" on the time and perform a preview search for that hour alone. Refer to the image below for more information. You can also start playback for any of the time slots using the playback buttons at the bottom of the screen.

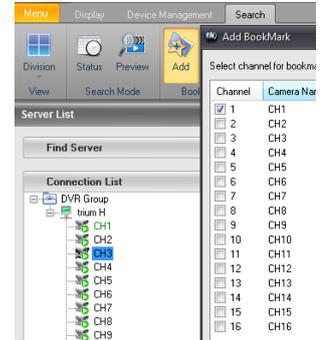


## 8.4 BOOKMARK AND SEARCH

A user can add bookmarks during search to mark important video and then search all bookmarked video quickly and easily.

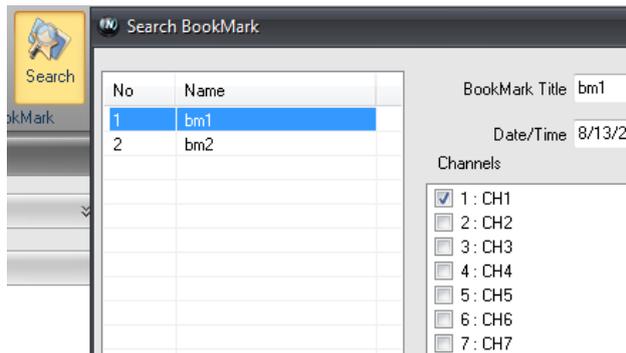
### Adding a bookmark:

- Make sure you are in search mode as bookmarks can only be added during that time.
- Stop playback and click the 'Add Bookmark' button on the search toolbar to add a book mark.
- Select which channels to bookmark and make sure the date & time do not need to be adjusted. Press 'Add' button.



### Search bookmarked data:

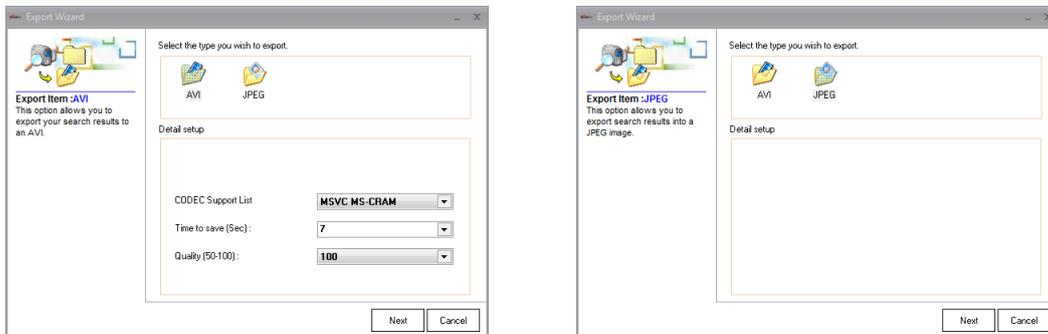
- Press the 'Search Bookmark' button in the search toolbar.
- The new window will display a list of all bookmarks, including date & time, title, channels and memos, if applicable.
- To view playback video from a specific bookmark, click on a bookmark name and click 'Search'.



## 8.5 PRINT AND SAVE

You can print a still image of a selected channel with notes for personal records. This option is available only for a playback image. Click 'Print' on the search toolbar to open the print setup page. Select the image size, orientation, add memo information or adjust the printer settings as needed. Press 'Print' or Cancel to exit without saving.

You can also export a video file in AVI or JPEG format.



To save an AVI clip:

- Select AVI in the Export Wizard window.
- Select the compression type, length of the saved video (in seconds), and the quality of the AVI video. Please note that the higher the quality, the larger the file will be.
- Set the directory where the file will be saved.
- The software will display the progress bar indicating the export process. When completed, a popup window will indicate that the file was saved successfully.
- To play the file, use any media player that supports AVI file format. The file will be marked with the DVR and camera's name, as well as the saved date and time.

To export a JPEG image:

- Select JPEG in the export wizard window.
- Set the directory where the file will be saved.
- When completed, a popup window will indicate that the file was saved successfully. The file will be marked with the DVR and camera's name, as well as the saved date and time.

## 8.6 MOUSE ACTION

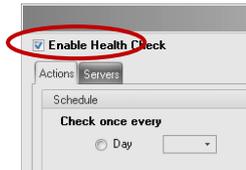
This works the same as in Live mode. See section [6.12](#).

## 9 HEALTH CHECK

This feature checks several status indicators of the DVR remotely and provides you with a detailed report. To use this feature, it must first be enabled in the Setup->Health Check setting page. The DVR must also support this feature. This feature may not be supported by all DVRs.

### 9.1 ENABLING HEALTH CHECK SERVICES

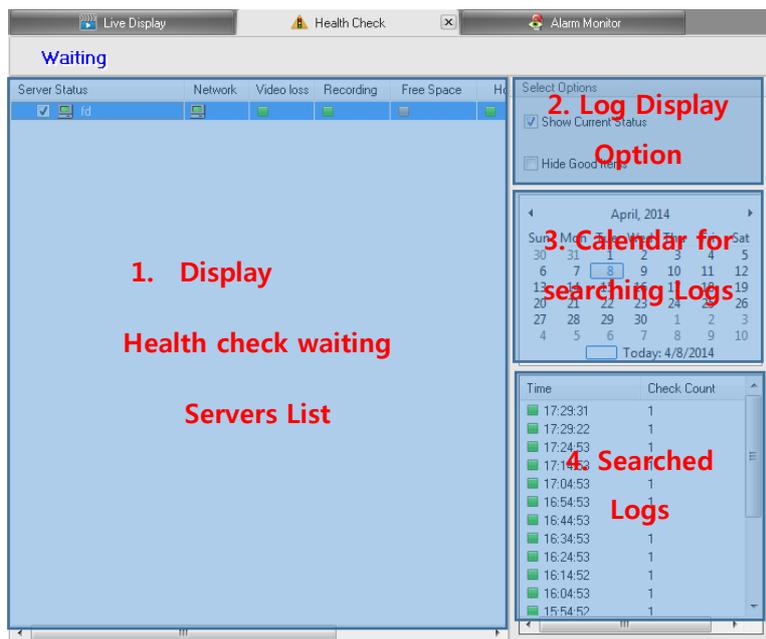
1. Go to Setup -> Health check and set Enable and select DVR to be checked.



2. Select which options to include in the health check, the frequency in which the software will check the DVR, notifications, and which DVRs will be included in the health check report. See section [11.3 Health Check](#) for more information.

### 9.2 PERFORM A HEALTH CHECK

To view health status based on the scheduled health checks, go to 'Health Check' under the Display toolbar.



1. **Display Health Check Waiting Servers list:**

This displays all the servers that were enabled and support health check. The status columns for each category will indicate the category's status by color. Green indicates the category is functioning well, grey indicates the category was not tested (or not supported). Red indicates the category tested may have failure results during the scheduled test.

2. **Log Display Option:**

Show Current status: See only the latest status by double clicking on servers in the server list.

3. **Calendar for searching logs:**

Select a specific date to see the Health check logs. Logs will be displayed on Searched Logs.

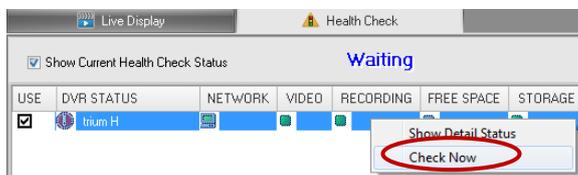
4. **Searched logs:**

Display Health check logs of selected date. To see checked servers details:

- Check off 'Show Current status' in the log display option.
- Double-click one of the searched logs.
- Double-click displayed list on the server list.

To manually run a health check outside the preset schedule

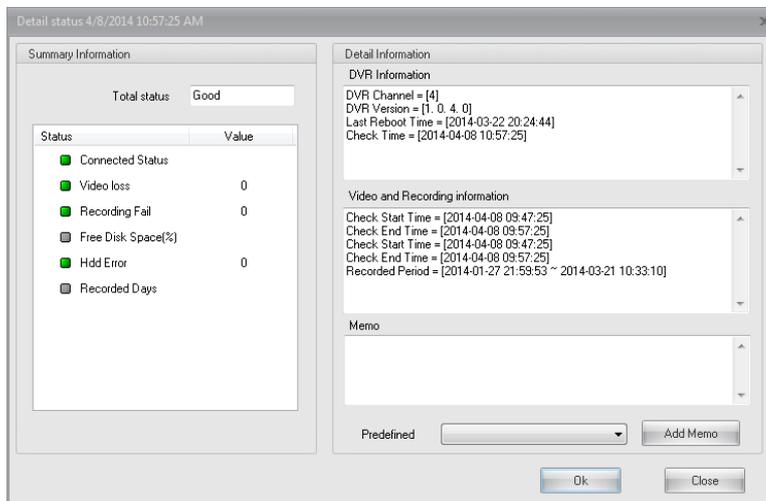
1. Select the DVR you want to run a health check for by checking the box next to it.
2. Right-click on the DVR and select run 'check now'.



3. Make sure the 'Show current status' button is NOT checked in the log display options.

4. Double-click on any of the old log reports.

5. Double-click on the server in the server list. A detailed status report for the DVR for the selected time will appear in a new window.



# 10 ALARM MONITOR

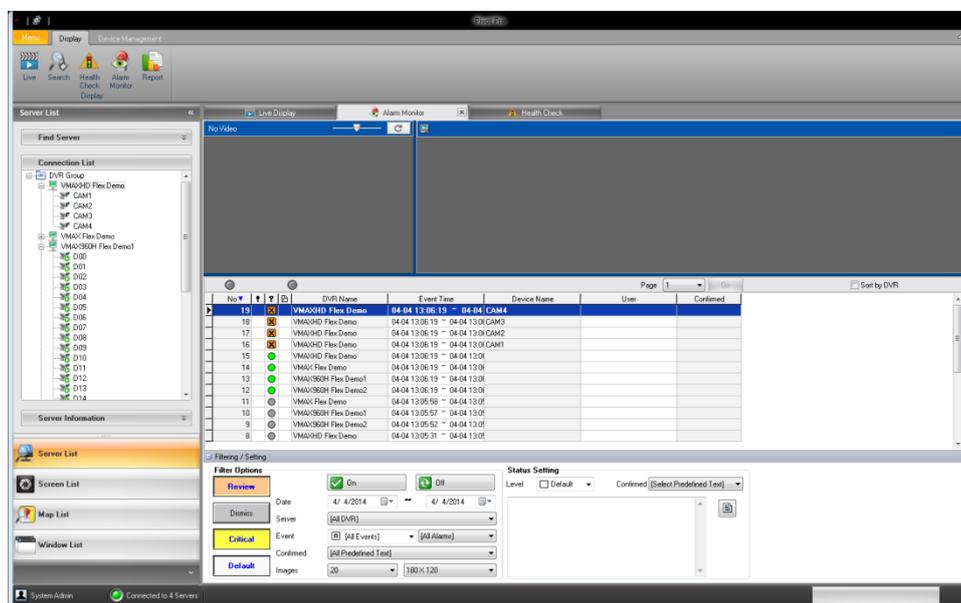
You can monitor all events from all your DVRs in a single screen. Each event is marked by different color coding and icons, with the ability to add notes, tag an event or filter the search as needed. This function is available only on supported models.

## 10.1 ALARM SETUP

For optimal event monitoring, setup event notifications on call back on your DVR. Refer to the DVR's manual for additional information. **Pivot Pro** records event logs in the pre-defined directory and alert you using a sound and with a pop-up windows.

## 10.2 ALARM EVENTS

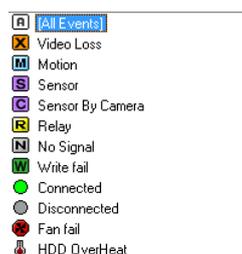
To open the Alarm Monitor, click 'Alarm monitor' icon on Display menu tool bar or press 'Menu' and select 'Alarm monitor'.



If alarm monitor is correctly configured, the event messages will be displayed in a chronological order – the Last event will always appear on the top of the list.

Alarm events displays event numbers, event type, name of devices and channel in which an event occur.

Each symbol stands for a type of event a seen below.





b. Run filter (simple Filter):

Filter and display marked events only by selecting one of the following filters:

- Disable 'Default'
- Select which event filter you want to see.
- Set Date and Server.
- Click 'On' button.

\* following picture only shows marked events.

| No   | DVR Name | Event time     | Device Name      | User          |
|------|----------|----------------|------------------|---------------|
| 1507 | trium H  | 08-12-14 08:40 | 08-12-14:0' CH12 | administrator |
| 1505 | trium H  | 08-12-14 08:40 | 08-12-14:0' CH5  | administrator |
| 1505 | trium H  | 08-12-14 08:40 | 08-12-14:0' CH1  | administrator |
| 1391 | trium H  | 08-12-14 04:21 | 08-12-14:0' CH4  | administrator |
| 1389 | trium H  | 08-12-16 03:18 | 08-12-16:0'      | administrator |
| 1388 | trium H  | 08-12-14 01:58 | 08-12-14:0' CH15 | administrator |
| 1387 | trium H  | 08-12-14 01:58 | 08-12-14:0' CH12 | administrator |
| 1386 | trium H  | 08-12-14 01:58 | 08-12-14:0' CH10 | administrator |

Filtering / Setting

**Filter Options**

On  Off

Date: 8/12/2013 ~ 8/12/2013

Server: [All DVR]

Event: [All Events] [All Alarms]

Confirmed: [All Confirm Types]

Default Images: 20 180X120

**Status Setting**

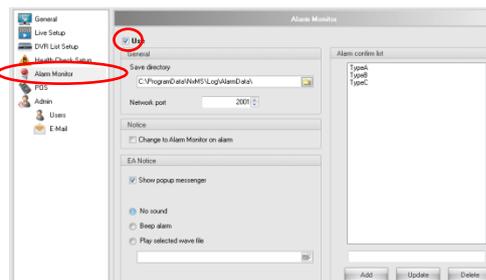
Level:  Default  Confirmed [Select]

c. More detail with Confirmed option:

'Confirmed' field can be used to sort multiple events that are of a similar nature. You can use this option to classify an event as a 'Normal car pass', 'Post service' etc. To use the Confirmed section, Predefined Text in the Alarm Monitoring Setup must be added.

To setup a Predefined Text:

- Go to setup > Alarm Monitor' page.
- Make sure 'Use' is checked.
- In the Predefined Text, enter the predefined text options you need (type A, type B..., Car passing by, delivery man...). Click 'Add' to add new texts.
- Added predefined text will be displayed on Filter option confirmed field.



d. Alarm event with comment and filter:

Once Predefined texts have been added, you can check incoming event and leave a comment with one of the confirmed predefined texts. Once those are entered, you can filter the events according to the 'confirm' / 'predefined text' type.

To leave comments on an event, click on the event, and in the filter section, enter a corresponding predefined text and add a memo if needed. Click the  button to save. The confirm text will appear next to the event on the event list.

To filter the events according to a specific text, select the corresponding text from the Confirmed drop-down options. By default, this filter will be set to “All Predefined Text”

Filter Options

Review  On  Off

Dismiss

Critical

Default

Date: 8/12/2013 ~ 8/12/2013

Server: [All DVR]

Event: [All Events] [All Alarms]

Confirmed: TypeC

Images: 20 180X120

| DVR Name | Event time                          | Device Name | User          | Confirmed |
|----------|-------------------------------------|-------------|---------------|-----------|
| m H      | 08-12 14:08:40 ~ 08-12 CH12         |             | administrator | TypeC     |
| y H      | 08-12 14:08:40 ~ 08-12 14:08:40 CH1 |             | administrator | TypeC     |

e. View Live Image from Events:

You can double click on any event on the list to jump to video regarding that event. Please note that if you are looking at a Disconnect event, you may not be able to view video from that DVR.

10.3.2 Alarm report



Filtered events can be printed as reports. To setup the report, press the **Report** tab.

Report Station

Report Selection: 1

Selection Parameters: 3

From: 4/ 9/2014 12:00:00 AM 4

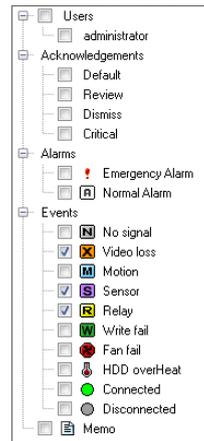
To: 4/ 9/2014 4:21:16 PM

Preview 5

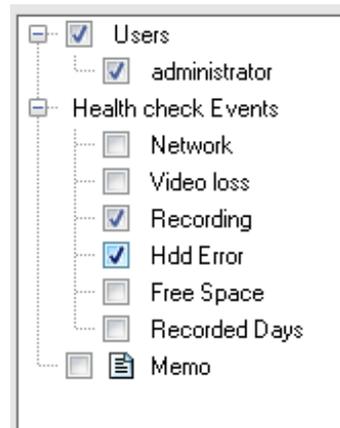
Cancel

1. Select the report type from the drop-down menu. Select from Alarm Report, or Health Check Report.
2. Select what details to include in the report. Select from the available options: general event selection such as Motion, Sensor, video loss, relay etc. For Health Check reports, select the health check options to include in the report.

**Alarm Events:**



**Health-Check Events:**



3. Select which supported DVRs to include in the report. Please note only DVRs that support the alarm and health check reports will appear on the list.
4. Select the start and end time for the report.
5. Press the Preview Button. The report will appear in a new window for your review and final approval

Report Preview (Alarm)

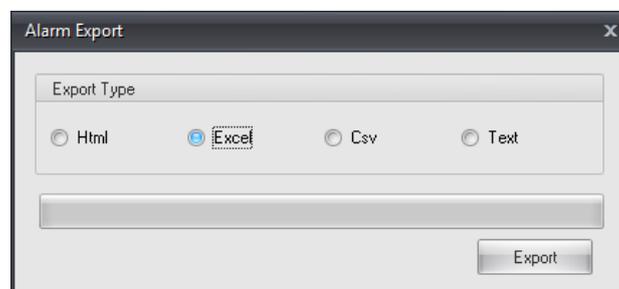
Page 1

| No  |                                     | DVR Name | Event Time                      | Device Name | User | Confirmed Time |
|-----|-------------------------------------|----------|---------------------------------|-------------|------|----------------|
| 1   | <input checked="" type="checkbox"/> | rd       | 04-08 15:07:28 ~ 04-08          | test        |      |                |
| 2   | <input checked="" type="checkbox"/> | rd       | 04-08 15:07:28 ~ 04-08 15:07:28 | CAM2        |      |                |
| 3   | <input checked="" type="checkbox"/> | rd       | 04-08 15:07:28 ~ 04-08 15:07:28 | CAM3        |      |                |
| 4   | <input checked="" type="checkbox"/> | rd       | 04-08 15:07:28 ~ 04-08 15:07:28 | CAM4        |      |                |
| 6   | <input checked="" type="checkbox"/> | rd       | 04-08 17:57:47 ~ 04-08 17:57:47 | test        |      |                |
| 7   | <input checked="" type="checkbox"/> | rd       | 04-08 17:57:47 ~ 04-08 17:57:47 | CAM2        |      |                |
| 8   | <input checked="" type="checkbox"/> | rd       | 04-08 17:57:47 ~ 04-08 17:57:47 | CAM3        |      |                |
| 9   | <input checked="" type="checkbox"/> | rd       | 04-08 17:57:47 ~ 04-08 17:57:47 | CAM4        |      |                |
| 11  | <input checked="" type="checkbox"/> | rd       | 04-08 19:59:21 ~ 04-08 19:59:21 | test        |      |                |
| 12  | <input checked="" type="checkbox"/> | rd       | 04-08 19:59:21 ~ 04-08 19:59:21 | CAM2        |      |                |
| 13  | <input checked="" type="checkbox"/> | rd       | 04-08 19:59:21 ~ 04-08 19:59:21 | CAM3        |      |                |
| 14  | <input checked="" type="checkbox"/> | rd       | 04-08 19:59:21 ~ 04-08 19:59:21 | CAM4        |      |                |
| 17  | <input checked="" type="checkbox"/> | rd       | 04-09 20:08:45 ~ 04-09 20:08:45 | test        |      |                |
| 18  | <input checked="" type="checkbox"/> | rd       | 04-09 20:08:45 ~ 04-09 20:08:45 | CAM2        |      |                |
| 19  | <input checked="" type="checkbox"/> | rd       | 04-09 20:08:45 ~ 04-09 20:08:45 | CAM3        |      |                |
| 20  | <input checked="" type="checkbox"/> | rd       | 04-09 20:08:45 ~ 04-09 20:08:45 | CAM4        |      |                |
| 30  | <input checked="" type="checkbox"/> | rd       | 04-09 16:02:33 ~ 04-09 16:02:33 | test        |      |                |
| 9   | <input checked="" type="checkbox"/> | rd       | 04-09 15:56:02 ~ 04-09 15:56:02 | CAM2        |      |                |
| 31  | <input checked="" type="checkbox"/> | rd       | 04-09 16:02:33 ~ 04-09 16:02:33 | CAM3        |      |                |
| 32  | <input checked="" type="checkbox"/> | rd       | 04-09 16:02:33 ~ 04-09 16:02:33 | CAM4        |      |                |
| 58  | <input checked="" type="checkbox"/> | rd       | 04-09 16:07:33 ~ 04-09 16:07:33 | CAM3        |      |                |
| 116 | <input checked="" type="checkbox"/> | rd       | 04-09 16:18:57 ~ 04-09 16:18:57 | CAM3        |      |                |
| 122 | <input checked="" type="checkbox"/> | rd       | 04-09 16:19:30 ~ 04-09 16:19:30 | CAM3        |      |                |
| 126 | <input checked="" type="checkbox"/> | rd       | 04-09 16:19:41 ~ 04-09 16:19:41 | CAM2        |      |                |

Export Close

**10.3.3 Alarm Export.**

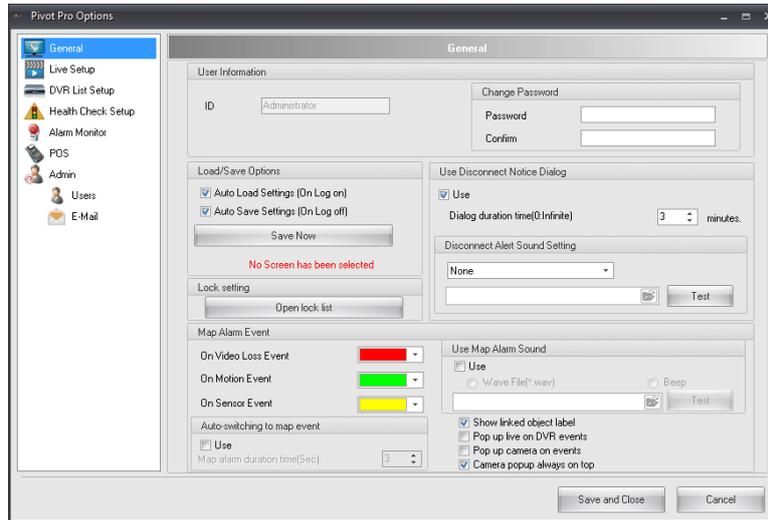
To export the report, press the 'Export' button and select the export type. Select to export the report as an HTML, Excel, CVS, or Text file and press the 'Export' button.



# 11 SETTINGS

## 11.1 GENERAL

**General** settings enable you to check user information and change details such as a password and alarm event.



### 11.1.1 USER INFORMATION AND CHANGING PASSWORDS

- User Information: Displays information about the user you are logged in as.
- Change Password: Input a new password. Modification is applied only when you click the OK button.

### 11.1.2 LOAD/SAVE OPTION

- Auto Load Settings: Check it to load a layout-info and display your custom settings next time you log in.
- Auto Save Setting: Check it to keep a layout-info of Live Displays you've arranged. If you check it, you will NOT lose your layout-info even after logging out.

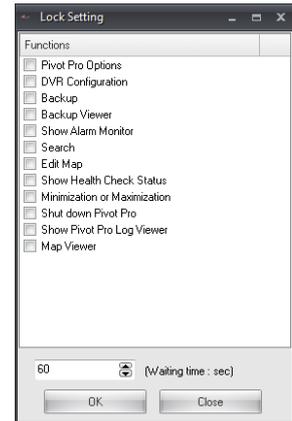
※ Checking both options is recommended.

### 11.1.3 Lock Setting

In order to protect sensitive information from unauthorized operations, a user can set auto logout for each function. After setup, access to the pre-defined functions will be denied if there has been no operation or input for the specified period time. You must log in again to re-launch that feature.

To set up auto-logout for the specific function:

1. Enter the setup mode by going to **Tools >> Settings**.
2. Select **General** and click the **Open Lock List** button.
3. Select which functions you want to protect by checking the box next to it.
4. Specify waiting time (in seconds) for no operation period.
5. Click OK button.



#### 11.1.4 Use Disconnect notice dialog

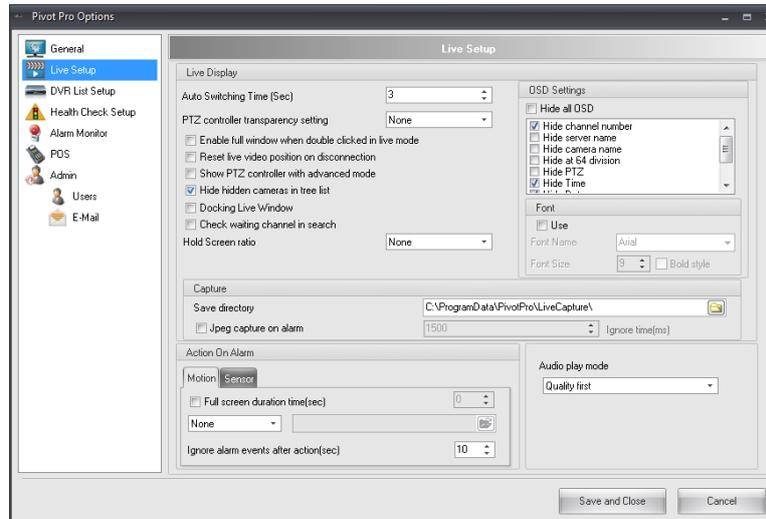
- Setup notifications when a DVR disconnection event is registered. Check the 'Use' box to automatically get a notification when any device is accidentally disconnected or failing to establish a connection.
- Dialog duration time: Set the preferred time (in minutes) to keep the dialog-box opened. If you set it at "0", it will NOT be closed until you click the "x" or pressing the ESC on the keyboard.
- Disconnect Alert Sound Setting: You can select a type of alarm sound between WAV file and a beep to notify you when a device has been disconnected. You can also listen to it by clicking the Test button.

#### 11.1.5 MAP ALARM EVENT

**Pivot Pro** is able to display the location of devices such as cameras and sensors on a map. This will also notify you on events associated with a device. To setup and adjust the e-Map notifications options, go to Setup > General:

- **Color drop-down-list:** Choose different colors to efficiently display a particular predefined event.
- **Auto switching on map event:** Check this option to pop up the registered map when any event occurs in that map area.
- **Map display Duration Time:** Specify the duration (in seconds) the map will be shown when pop-up event notification is enabled. Select from 2 ~ 999 seconds.
- **Use Map Alarm Sound:** Select a type of alarm sound between WAV file and the beep. You may also listen to it by clicking on Test button.
- **Show Linked object Label:** Display label of linked devices.
- **Pop up live on DVR events:** Display live when an event is triggered on the DVR.
- **Pop up camera on events:** Check to pop up the associated live screen when an emergency alarm occurs.
- **Camera popup always on top:** Check this option to leave the event camera popup always on top.

## 11.2 LIVE SETUP



### 11.2.1 Live Display

- **Auto Switching Time:** set the dwell time for the general sequence feature. This setting will indicate how long the software will remain on a current layout or camera before displaying the next sequence. The screen layout and number of cameras in the sequence is based on the current Live Display when you enable Sequence.
- **PTZ controller transparency setting:** Select one of 4 degrees – None, High, Medium and Low – to choose PTZ Control transparency level.
- **Enable full window when double clicked in live mode:** Check to make the Live Screen automatically fit into Live Display pane when you double-click on a single channel. If not selected, the image will remain in 'Real Size' view.
- **Reset live video position on disconnection:** Check to clear a Live Screen display when logging off. This means you will have to reassign channels to the display area next time you log in.
- **Show PTZ controller with advanced mode:** Check to display PTZ Control in advanced mode every time it pops up.
- **Hide cameras not set to record:** Check to hide channels not being recorded from the Server List.
- **Docking a Live Window:** If enabled, all new windows will appear as new tabs in the main window screen, rather than opening as new windows.
- **Check waiting channel in Search:** display 'Waiting' message when playback image may not be available.
- **Hold Screen Ratio:** manually set the screen ratio for all cameras in the display area.

### 11.2.2 OSD settings

- **Hide OSD:** Check which information to display each camera. Checked options will be displayed, while unchecked ones will not appear on the camera's display.

### 11.2.3 Font

- Adjust the font type and size as you need. Default font - type: Arial, size: 9

### 11.2.4 Capture

- **Save Directory:** Save captured image data to a selected directory.
- **Jpeg Capture on Alarm:** Check to save an image when an alarm is detected. To avoid multiple image captures, set the **Ignore Time**. During the specified period (in ms), the program discards alarm notifications after saving an image for the first event.

### 11.2.5 Action on Alarm

Set actions when an alarm is triggered from the DVR.

- Full screen duration time: set dwell time for full screen duration time.
- Sound select: select if you want the system to notify you of events using sound, and choose which file to be played.
- Ignore alarm events after action (sec): set alarm ignoring time.

### 11.2.6 Audio play mode

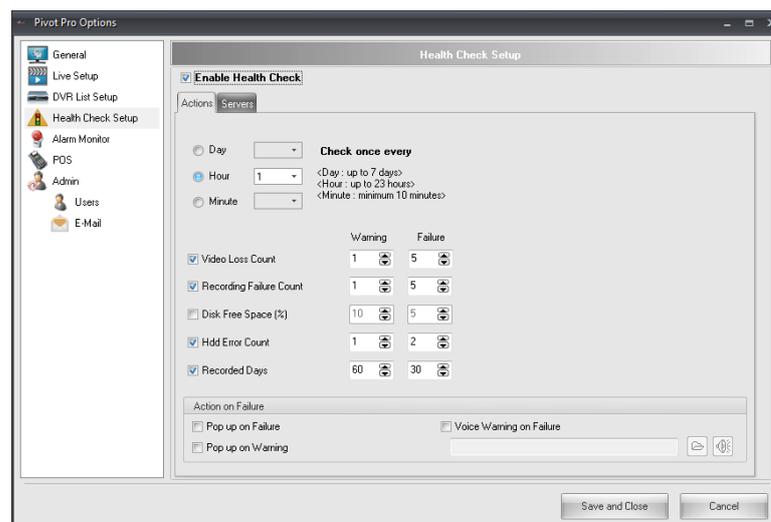
Select audio sound transmission option.

- Quality first: transmit audio at high quality (may affect the audio's synchronization).
- Sync first: transmit audio synchronizes with the camera image (may affect quality).

## 11.3 DVR LIST SETUP (See [section 4](#) for more information.)

## 11.4 HEALTH CHECK

**Pivot Pro** enables you to analyze states of a device and event history. This function is available only on supported models. In this window you can setup the frequency in which the health checks occur, on which servers, what is checked, and setup notifications for failures or warnings.



### 11.4.1 Actions

Setup a schedule for the health check.

- **Day:** Check the DVR once every x number of days.
- **Hour:** Check the DVR once every x number of hours a day.
- **Minute:** Check the DVR once every x number of minutes every hour.
- **Check interval between servers (only for slow network):** For slow network connections, set the interval time (in minutes) between every time the system attempts to perform a health check on the DVR.

Setup the events included in the health check and their compliancy threshold. When an event occurs more than the set number for warnings or failures, the system will notify you.

- **Video Loss Count:** Check how many times the DVR reports video loss issues. If the DVR has more video loss events than the number set on the warning threshold, the system will notify you according to the warning notifications. If the DVR has more video loss events than the number set on the failure threshold, the system will notify you according to the failure notifications.
- **Recording Failure Count:** Check how many times the DVR reports recording failure issues. If the DVR has more recording failure events than the number set on the warning threshold, the system will notify you according to the warning notifications. If the DVR has more recording failure events than the number set on the failure threshold, the system will notify you according to the failure notifications.
- **Disk Free Space:** Check the remaining free space on the DVR's internal HDDs. If the remaining space exceeds the one set in the warning threshold, the system will notify you according to the warning notification. If the remaining space exceeds the one set in the failure threshold, the system will notify you according to the failure notification.
- **HDD Error Count:** Check how many times the DVR reports HDD error issues. If the DVR has more HDD error events than the number set on the warning threshold, the system will notify you according to the warning notifications. If the DVR has more HDD error events than the number set on the failure threshold, the system will notify you according to the failure notifications.
- **Recorded Days:** Check how many days the DVR has been recording. If the number of days the DVR has been recording exceeds the number set in the warning threshold, the system will notify you according to the warning notifications. If the number of days the DVR has been recording exceeds the number set in the failure threshold, the system will notify you according to the failure notifications.
- **Action on Failure:** Enable popup notifications for warning and failure events and setup an alarm sound for a failure event for any of the set health check options.

### 11.4.2 Servers

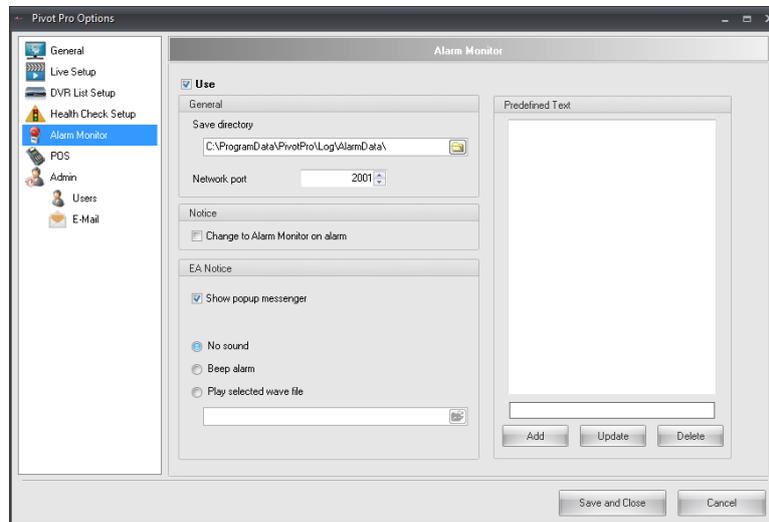
Use this tab to enable the health monitoring for all supported DVRs. All DVRs that support this function will appear on the drop-down table. Check the box next to the DVRs you want to include in your health check and adjust the port accordingly.

You can also setup the Predefined Texts for this DVR. (See [10 Alarm Monitoring](#) for more information).

See section [9. Health Check](#) for more information on how to run the Health Check.

## 11.5 ALARM MONITOR

**Pivot Pro** logs events to the directory on the local HDD and can alert you using a sound and a pop-up window.



### 11.5.1 Add, Update & Delete Predefined Text

Use this setup table to add, edit, and delete predefined texts used in the filters of the alarm monitoring window. See [10. Alarm Monitor](#) for more information.

### 11.5.2 General

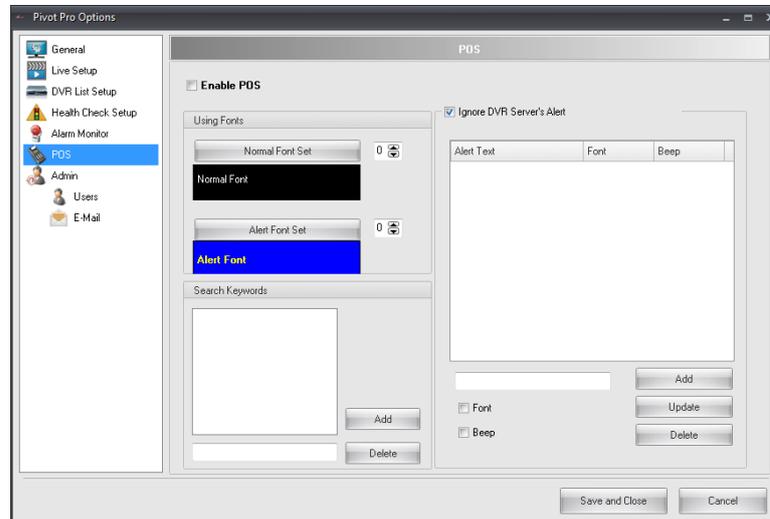
- **Save directory:** Set the folder directory where sensor or motion events are saved to.
- **Network port:** Input a port number to receive event data. This must be the same number as the connected device used.

### 11.5.3 Notice

- **Show popup messenger:** Check to notify you of events with a pop-up window.
- **Sound option:** Select one of three – No sound, Beep alarm and Play selected - to set a type of sound.

## 11.6 POS (SUPPORTED MODELS ONLY)

**Pivot Pro** can receive POS data if a connected device supports a POS (Point Of Sale) data transferring protocol. This function enables you to set keywords and automatically search POS transaction data with them. You are also able to sort out unwanted data by item filtering.



**NOTE:** POS functions are active only if a device supports a POS data transferring protocol, it does NOT work with an IP Camera.

### 11.6.1 POS Setup

6. Select Enable POS.
7. Setup the desired normal font style and size.
8. Setup the desired alert font style and size.
9. Add search words that would trigger the alert font style.

**NOTE:** Make sure the device you are trying to view supports a POS feature and is set to record POS text.

### 11.6.2 POS In Live

#### Viewing live video with POS text overlay

1. Connect to the desired device.
2. Right-click on the device and select POS→ TURN ON.
3. Select specific channels to display POS overlay by right-clicking on a channel and selecting- POS→ ON.



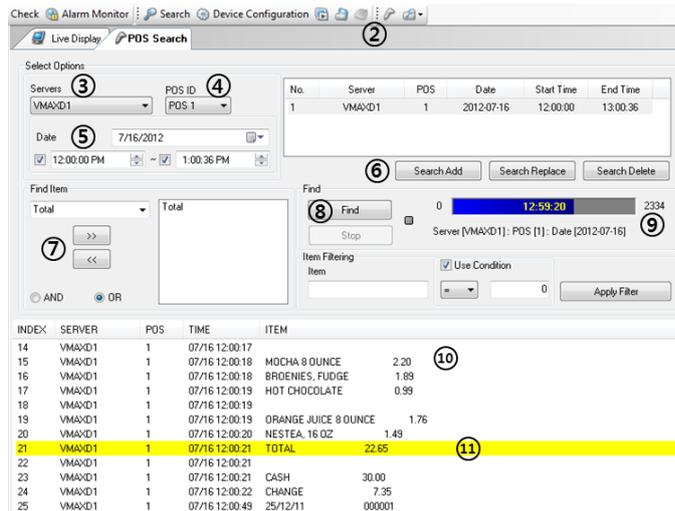
#### Hide POS Text in live video

1. Connect to the desired device.
2. Right-click on the device and select POS→ TURN OFF.

3. Select specific channels to hide the POS overlay by right-clicking on a channel and selecting- POS→ OFF.

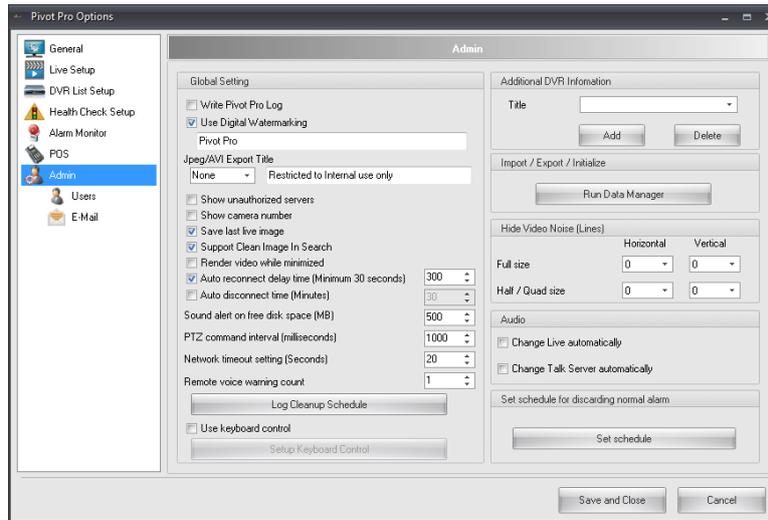
### 11.6.3 POS in Search

1. Make sure you are viewing a device that has been setup to record POS data
2. Click on the  icon on the tool bar to enter the POS search.
3. Select the device you want to search from the Servers drop-down list.
4. If you have more than one POS box connected to your DVR, select the POS ID you wish to search.
5. Set the date & time of your search.
6. Click on “Search Add”.
7. To search for a specific item, type an item to the “Find Item” section and click the arrows pointing right to add it to the search.  
To search a general list of all POS entries recorded on your DVR, leave the “Find Item” empty.



8. To begin the search, click “Find”.
9. The search progress will appear on the search bar, indicating how many POS entries have been found.
10. When the POS search is complete, the entire POS log report will appear at the bottom of the window.
11. ‘Find Item’ search results will be highlighted in YELLOW.

## 11.7 ADMIN



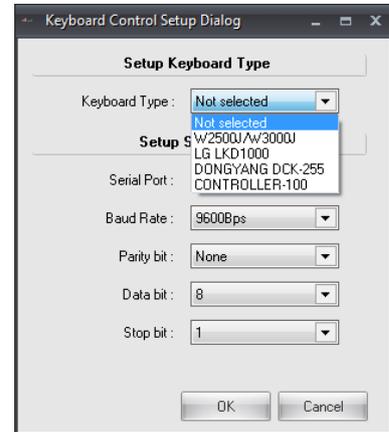
### 11.7.1 GLOBAL SETTING

- **Write Pivot Pro Log:** Check it to record user events such as log-on/off and connecting/disconnecting, into the local computer as a file.
- **Use Digital Watermarking:** enter watermarking verification codes.
- **JPEG/ AVI export title:** add short title on exported files. Select position and edit message on text box.



- **Show unauthorized servers:** Display all listed servers even if current user doesn't have permission to access them.
- **Show camera number:** display camera number on live screen.
- **Save last live image:** Save last images when switching to another screen. This feature minimizes time delay on image transmission.
- **Support clean image in Search:** Supported in PC DVRs only. This shows a smoother image.
- **Auto-reconnect delay time:** Set the dwell time (in seconds) for the system to connect to a DVR that has been disconnected.
- **Auto-Disconnect delay time:** Set the dwell time (in minutes) for how long the system remains connected to a DVR.
- **Sound Alert on free disk space:** setup an alarm sound when disk space becomes lower than defined setting. (System will continue to beep until acknowledged.)
- **PTZ command interval (milliseconds):** Adjust the PTZ command delivery interval when the PTZ command is not working smoothly due to network speed.

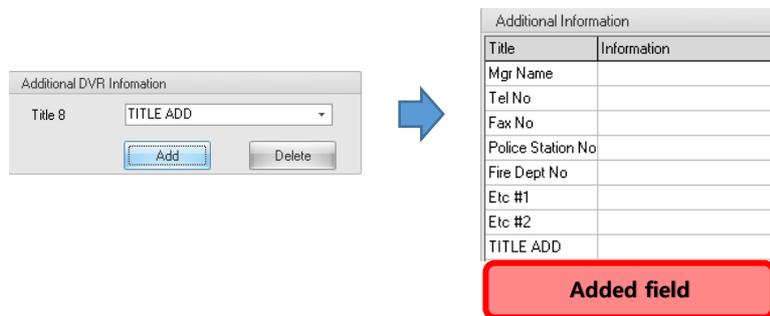
- **Network Timeout setting (seconds):** Set holding time to receiving data. (this feature is for PC based DVRs only)
- **Remote voice warning out:** Input the amount of times for an alert sound in case a particular event occurred. (This function is active only for PC-Based DVRs)
- **Alarm Log cleanup schedule:** clean up alarm event schedule by user configuration. \*4Gb is max size for alarm data.
- **Use Keyboard control: Pivot Pro** supports several models of Keyboard controllers through serial communication.



### 11.7.2 Additional DVR information

- Title: edit title field of 'additional information' on DVR list setup.

To add: enter field name and 'add'



Delete: select a field and click delete.



\*at least 1 item should remain.

### 11.7.3 Import/export/ Initialize:

Run data manager and manage configuration information.

\*to run this, Pivot Pro should be terminated.

#### Features

Cleanup: Remove previous event information.

Import: Import software configuration data.

Export: Export software configuration data.

Map conversion: convert old maps for Pivot **Pro**.



### 11.7.4 Hide Video Noise:

Input the amount of lines to take away on Live Screen. The lines will be removed starting from the outline.

\* Full size item: is for the high resolution, like 720x480 and 640x480.

\* Half /Quad size: is for the lower resolution, like 720x240 and 360x240 or CIF size.

### 11.7.5 Audio:

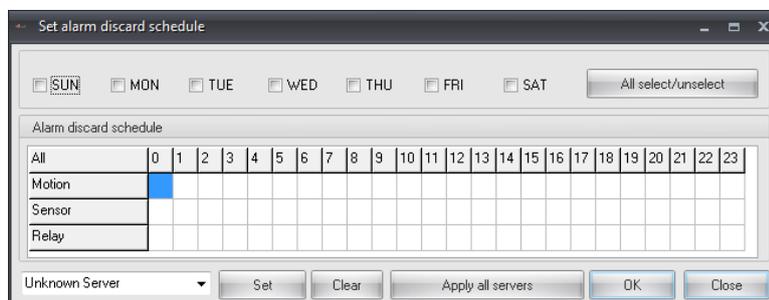
Set audio options on **Pivot Pro**

**Change Live automatically:** Listen to audio with the Live Screen when you select a DVR that supports this function.

**Change Talk server automatically:** Turn on interactive 2-way audio function on supported models.

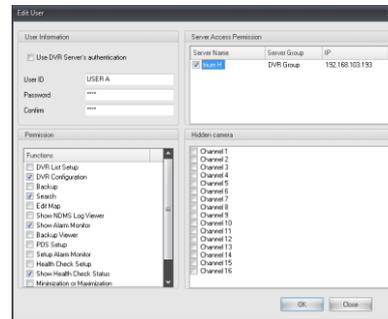
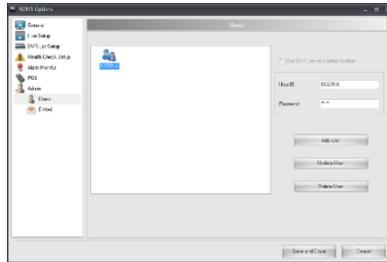
### 11.7.6 Set Schedule for discarding normal alarms:

Set the time for ignoring an alarm. The incoming alarm will not be listed on the configured time.



## 11.8 USERS

In this setup section, you can create, modify, and delete user accounts. You can also give different permissions for each user.



### To create a new user account:

12. Click the 'Add User' button.
13. Input the desired ID and password for the User ID and Password/Confirm field.
14. If you want to use the same password for logging into the remote device, check the 'Use DVR Server' authentication check box.
15. Select the desired items from the Permission list to authorize those functions to the new user.
16. Select the devices from the Server Access Permission list to authorize access to. By selecting the camera(s) in the Hidden camera list, you can also give a new user permission for individual cameras.
17. Click the OK button.
18. The new user account is created and will be displayed in the Users table.

### To modify an existing user account, please follow those steps:

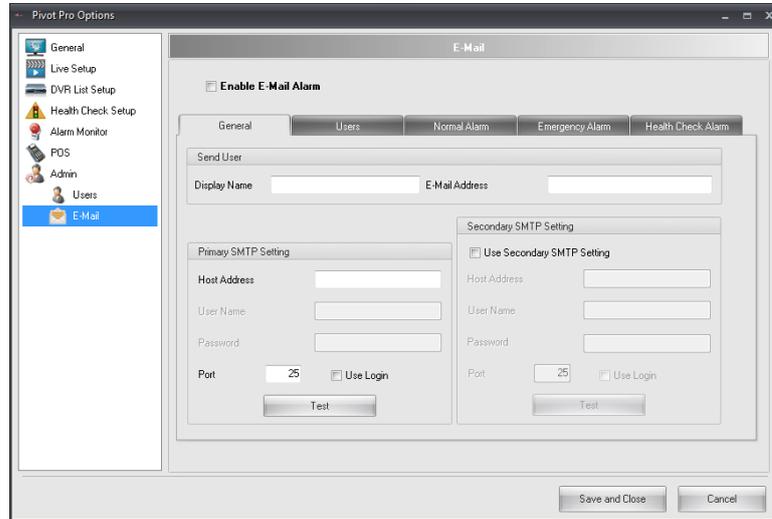
1. Select one of the user accounts.
2. Click the 'Update User' button.
3. Modify the options you want to change or password if required.
4. Click the OK button.

### To delete an existing user account, please follow those steps:

1. Select one of the user accounts.
2. Click the 'Delete User' button.
3. The selected user account is deleted.

## 11.9 E-MAIL

**Pivot Pro** can notify you of events by email. This option enables you to configure the details regarding which events cause email notifications.



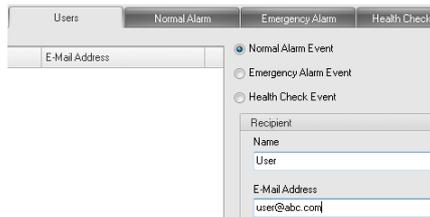
- **ENABLE EMAIL ALARM** : Check it to receive a notification through email.

- **GENERAL**: You can configure details in regard to sending emails and server names.

- **Send User**: Input the Display Name and the E-Mail Address for emails sent from **Pivot Pro**.
- **Primary SMTP Setting**: Input the **Host Address**, **Port number**, **User Name**, and **Password** for an SMTP server. You can test the credentials by clicking the **Test** button.
- **Use Secondary SMTP**: Add a secondary server as backup for the primary server.

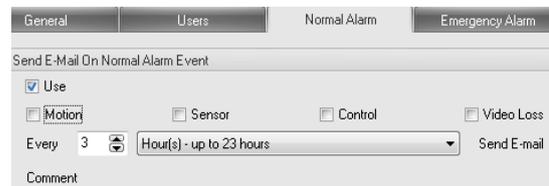
### -Users

Create different e-mail accounts and setup what types of alarms each e-mail will receive.



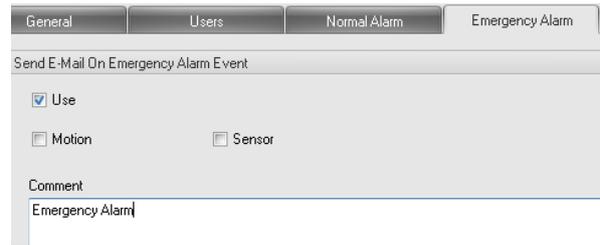
### -Normal Alarm

Assign the type of event such as Motion, Sensor, Control, and Video Loss, for which a notification would be sent to the recipients added under Normal Alarm Event in the Users Tab.



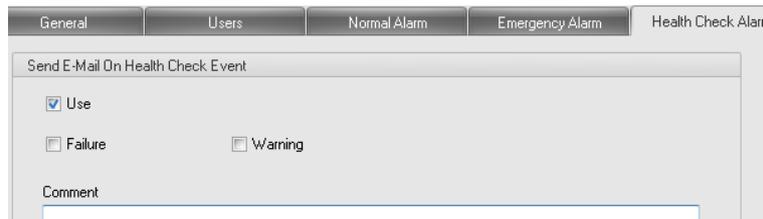
## -Emergency Alarm

Assign the types of critical events, such as **Motion and Sensor**. A notification would be sent to the recipients you've added under Emergency Alarm Event in the Users Tab.



## -Health Check alarm

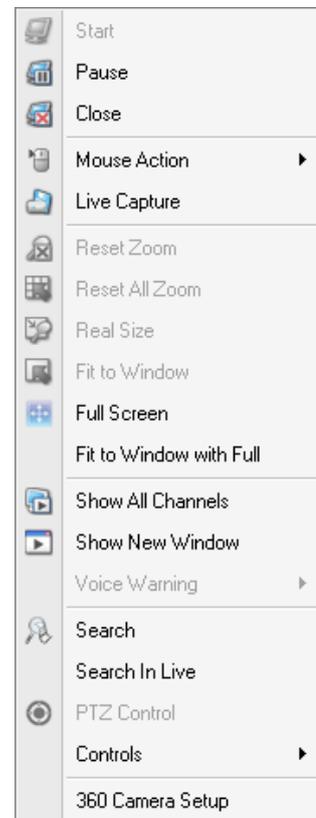
Assign the types of health check event, Failure and Warning. A notification would be sent to the recipients you've added under Health Check Event in the Users Tab.



# 12 OTHER FEATURES

## 12.1 SUB MENU ON LIVE MODE

- You can access many of the Software's main functions by right-clicking on any display screen during live Start: Start live display.
- Pause: Pause select channel in live view.
- Close: Close the selected live view channel.
- Mouse Action: choose mouse action.([see 8.6](#))
- Live capture: Capture live image and save it.
- Reset zoom: Reset zoomed channel to original view.
- Reset all zoom: reset all zoomed channels to original view.
- Real size: Display the image at real size from the DVR.
- Fit to window: Fit a single channel live view as big as your live display pane.
- Full Screen: Change to full screen without UI at current screen division.
- Fit to Window with Full: Change to full screen for the selected channel only.
- Show all channels : works as 'Clone View' in live mode.([see 6.7](#))



- Show new Window: Pop up single channel view of the selected channel.
- Voice Warning: Available only for PC DVRs. Send signal to connected PC DVR. Select wave sound out to connected speaker on PC DVR side.
- Search: Switch to search mode.
- Search in Live: Change to search in live mode. (on supported models)
- PTZ control: show PTZ controller to control connected camera view.

**8-direction arrow buttons** makes your camera pan and tilt.

To expand to **advanced PTZ control**, click ▼ on the menu bar.

- Controls: Activate connected DVR's relay out. Click control and choose one of the relays out.



- Advanced -

## 12.2 SUB MENU ON CONNECTION LIST

### 12.2.1 Sub menu on Group level

Right click on 'Group' in the Device List:

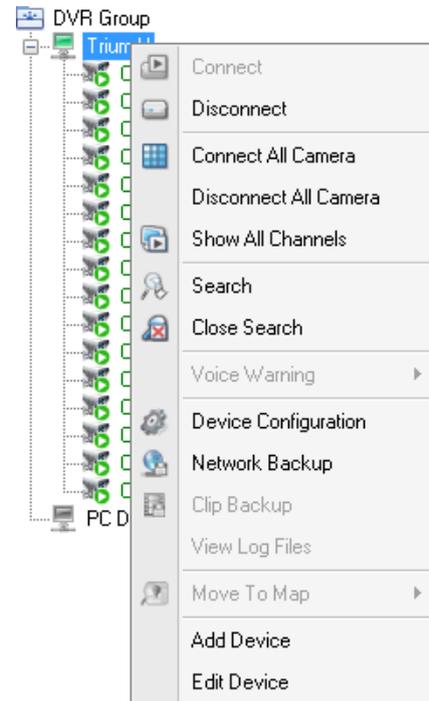
- Group connects: Connect all devices on current group.
- Group disconnect: Disconnect all devices on current group.
- Add Device : Move to 'DVR list Setup' ([see 4.1](#))



### 12.2.2 Sub menu on Device level

Right click a 'Device' in the Device List:

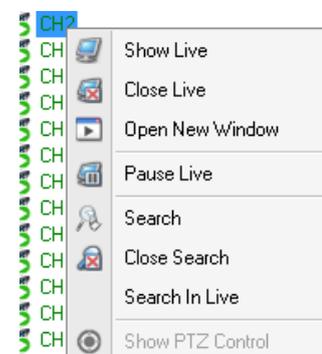
- Connect: Connect current device.
- Disconnect: Disconnect current device.
- Connect all Cameras: Connect all cameras and display them on the live display area. The layout the cameras will be displayed in depends on the current selected layout.
- Disconnect all cameras: Disconnect all cameras currently in the display area.
- Show all channels: Open a new tab with all cameras for the selected DVR in live mode.
- Search: Open a new tab with the selected DVR in search mode.
- Close Search: Close opened search tab.
- Voice warning: Available only for PC DVRs. Send a selected sound or signal to a PC DVR's speakers.
- Device configuration: Enter setup configuration for the selected DVR. Setup display may appear different for each DVR.
- Network Backup: Run available Network backup utility. Utility is different by each DVR and is available only for supported devices.
- Clip Backup: Run Clip backup for the selected PC DVR.
- View Log files: View the DVR's log data. Available only on supported models.
- Move to Map: Move to registered map.
- Add/Edit Device: Open the 'DVR list setup' page.



### 12.2.3 Sub menu on channel level

Right click on a single 'channel' in the device list.

- Show Live: Display current camera's live view.
- Close live: Close current camera's live view
- Open new Window: Open the camera in a new window.
- Pause Live: Pause current live display.
- Search: Open camera in search mode.
- Close Search: Close camera's search tab.
- Show PTZ control: Open PTZ controller on live display (for PTZ cameras only).



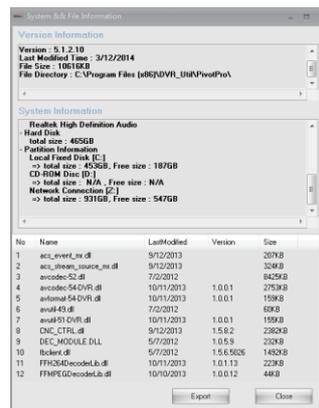
## 12.3 LOG

To view the software's log report, go to 'Menu->Log'. Dates with available data will be marked with a red circle. Choose a date from the calendar and the system log information will automatically populate.



## 12.4 VERSION

To check the **Pivot Pro** version you are running and to make sure you have the latest software version, go to 'Menu->Version'. For more detailed information, press 'System & File Information'.



## 12.5 PC DVR MULTIPLE SEARCH

Multiple DVR search is available on PC DVRs. This allows you to search multiple PC DVRs in same search pane.



To use Multi-DVR Search:

- Go to 'Menu->PC DVR multiple search'
- Select screen division on tool bar.
- Choose date and time to be searched.
- Select PC DVR channels and Drag and drop to the search pane.  
\*other DVRs will not be searched in this mode.

## 12.6 BACKUP VIEWER

**Pivot Pro** offers a backup viewer for supported embedded DVRs.

Move to 'Device configuration->Backup viewer' and select backup viewer for you desired embedded DVR model.

