NVR8008X Enterprise Rack Mount NVR

8-Bay, up to 100-Channel Megapixel Recording, RAID Storage

User's Manual

EverFocus®

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Release Date: December, 2014

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EVERFOCUS ELECTRONICS CORPORATION

NVR8008X

User's Manual

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Release Date: December, 2014

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Safety Precautions

- It is strongly recommended to use the Local Display only for short-term operation, such as system configurations. To ensure better system efficiency, the Local Display is not recommended for long term operation or video monitoring.

- Refer all work related to the installation of this product to qualified service personnel or system installers.

- Do not block the ventilation openings or slots on the cover.

- Do not drop metallic parts through slots. This could permanently damage the appliance. Turn the power off immediately and contact qualified service personnel for service.

- Do not attempt to disassemble the appliance. To prevent electric shock, do not remove screws or covers. There are no user-serviceable parts inside. Contact qualified service personnel for maintenance. Handle the appliance with care. Do not strike or shake, as this may damage the appliance.

- Do not expose the appliance to water or moisture, nor try to operate it in wet areas. Do take immediate action if the appliance becomes wet. Turn the power off and refer servicing to qualified service personnel. Moisture may damage the appliance and also may cause electric shock.

- Do not use strong or abrasive detergents when cleaning the appliance body. Use a dry cloth to clean the appliance when it is dirty. When the dirt is hard to remove, use a mild detergent and wipe gently.

- Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.

- Do not operate the appliance beyond its specified temperature, humidity or power source ratings. Do not use the appliance in an extreme environment where high temperature or high humidity exists. Use the NVR at temperatures within 5°C~40°C / 41°F~104°F. The input power source is 100-240 VAC~ / 500W max.

- **Read Instructions**
  All the safety and operating instructions should be read before the unit is operated.

- **Retain Instructions**
  The safety and operating instructions should be retained for future reference.

- **Heed Warnings**
  All warnings on the unit and in the operating instructions should be adhered to.

- **Follow Instructions**
  All operating and use instructions should be followed.

- **Cleaning**
  Unplug the unit from the outlet before cleaning. Do not use liquid cleaners, abrasive or aerosol cleaners. Use a damp cloth for cleaning

- **Attachments**
  Do not use attachments not recommended by the product manufacturer as they may cause hazards.

- **Water and Moisture**
  Do not use this unit near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, in an unprotected outdoor installation, or any area which is classified as a wet location.

- **Servicing**
  Do not attempt to service this unit by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

- **Power Cord Protection**
  Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, playing particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.

- **Object and Liquid Entry**
  Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

- **Battery**
  There is a risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  a. Use only two AAA dry cell batteries.
  b. Do not dispose of the batteries in a fire as it may explode.

ATTENTION! This is a Class A product which may cause radio interference in a domestic environment; in this case, the user may be urged to take adequate measures.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the users' authority to operate this equipment.

This Product is RoHS compliant.

WEEE

Your EverFocus product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product.
Please, help us to conserve the environment we live in!

The information in this manual was current upon publication. The manufacturer reserves the right to revise and improve his products. Therefore, all specifications are subject to change without prior notice. Manufacturer is not responsible for misprints or typographical errors.
Please read this manual carefully before installing and using this unit. Be sure to keep it handy for later reference.

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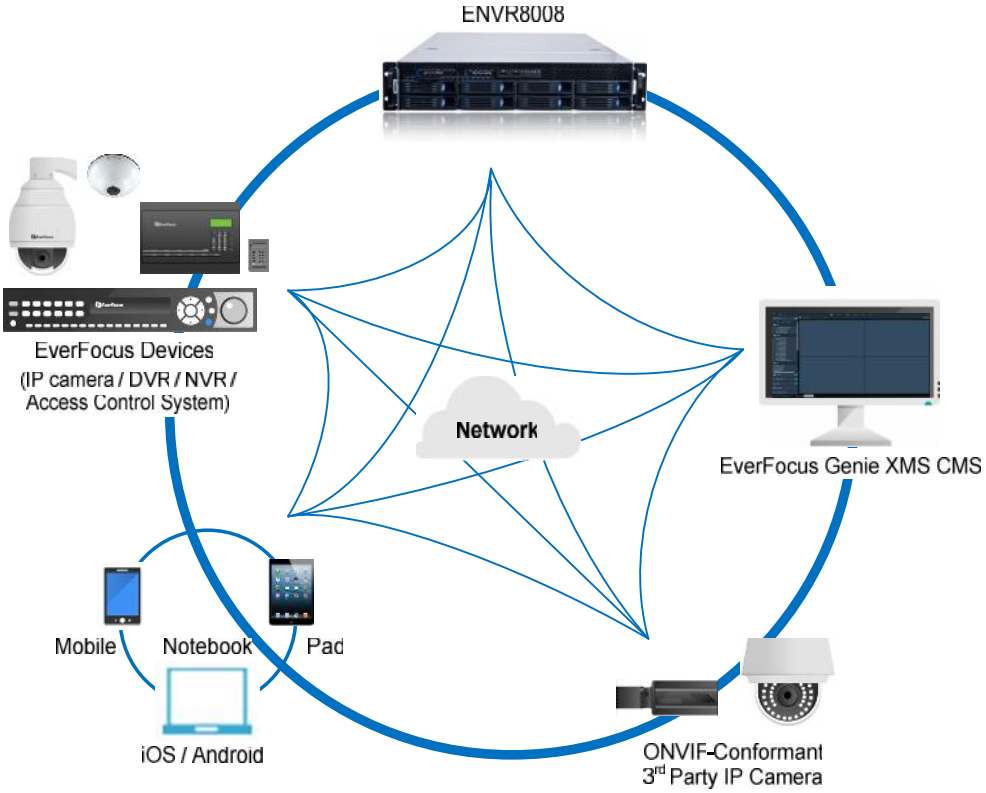
Chapter

1

1. Introduction

EverFocus NVR8008X is an enterprise-level NVR, supporting scalable channel numbers from 64 up to 100 channels. Featured with 8-bay hot swappable SATAIII HDDs and RAID 0,1,5,6,10functionality with the highest data protection, the NVR8008X is able to record at 250 Mbps in speed with approximately64 channels working simultaneously at 2-megapixel / 30 fps with H.264 codec without remote playback.

Operating on a Linux-based system, the NVR8008X provides a storage capacity of up to 32 TB (4 TB per drive),and is compatible with all EverFocus devices such as IP cameras, DVR, NVR, access control systems and EverFocus CMS software, Genie XMS. The ONVIF-conformant 3rd-party cameras can also be connected to the NVR. Industry standard video compression formats, such as H.264, MPEG4 and M-JPEG (depends on IP cameras) are all supported. The NVR8008X is also supported by EverFocus MobileFocus apps on iOS and Android devices extending video surveillance from fixed locations to mobile environments.



1.1 Supporting Operating Systems and Browsers

- Operating System: Microsoft Windows XP (32-bit)/ 7 (32/64-bit)/ 8 (32/64-bit)
- Web Browsers: Google Chrome

1.2 Packing List

• NVR8008X x1	• Quick Guide x 1
•Power Cord x 1	• HDD. Packed in white boxes

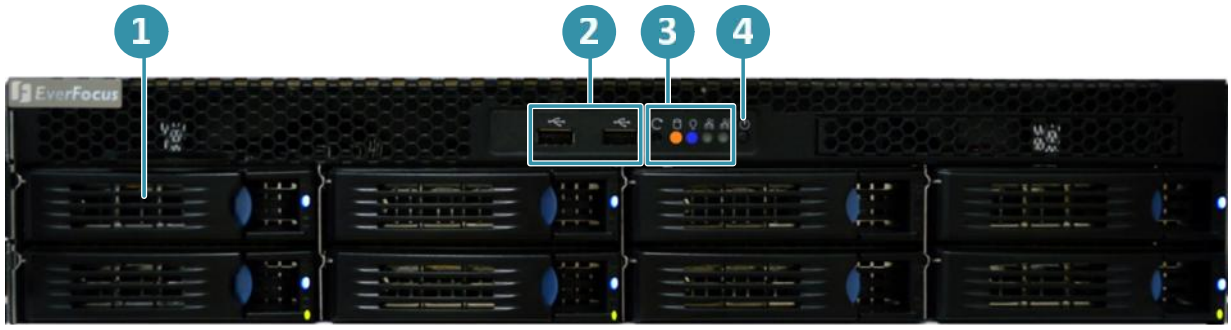
Note:

1. **Any physical damage to the NVR due to improper installation or handling will not be covered under warranty.**
2. **Every install environment is different. RAIL MOUNTS are not included with the NVR. This is an optional accessory.**
3. Equipment configurations and supplied accessories vary by country. Please consult your local EverFocus office or agents for more information. Please also keep the shipping carton for possible future use.
4. Contact the shipper if any items appear to have been damaged in the shipping process.
5. The latest version of the manuals is available for download from the EverFocus Website. This also contains part numbers for optional accessories.
   http://www.everfocus.com/product.cfm?productid=1855

1.3 Optional Accessories

• Rack Mount Rail x 2	• Front Bracket x 2
• EKB200 (USB controller keyboard: connect to the PC to control the PTZ cameras connected to the NVR	

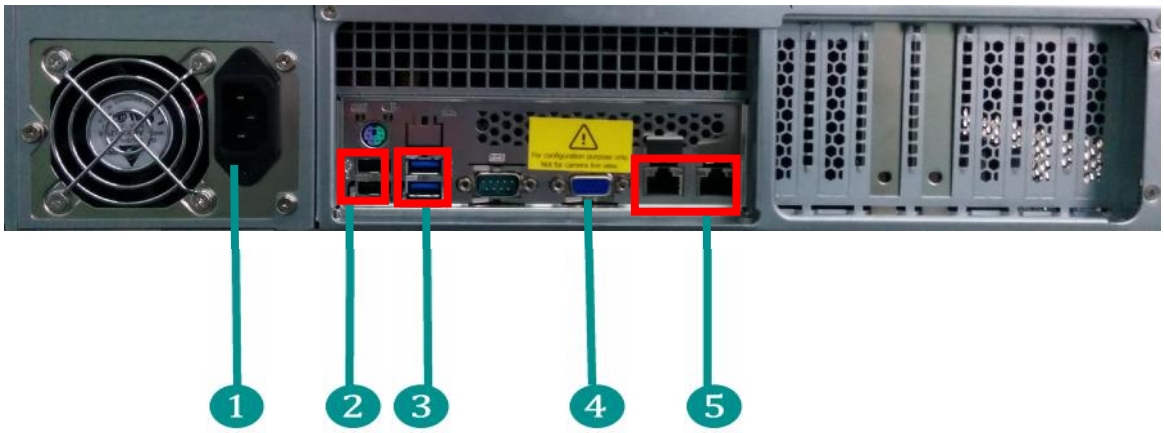
1.4 Front Panel



No.	Name	Description
1	**HDD Tray**	Pull the HDD tray out to install the HDD.
2	**USB**	2 USB2.0 ports for connecting to a mouse or external storage device.

3	**Status LED**	Power: Indicates the HDDs are installed. HDD R/W: Indicates the HDDs are reading/writing data. Reset: Use a paper clip to press the reset button. HDD: Indicates the internal HDD 1~8 is activating. Power: Indicates the power is on. LAN1: Indicates the NVR is connected to the network. LAN2: Indicates the NVR is connected to the network.
4	**Power**	Press to turn on / off the NVR.

1.5 Rear Panel



No.	Name	Description
1	**Power Port**	Connects to the 100-240 VAC~ power using the supplied Power Cord.
2	**USB2.0 Port**	Two USB2.0 ports
3	**USB 3.0 Port**	Two USB3.0 ports
4	**VGA Port**	Connects to monitor using a VGA cable. **This is for configuration purpose only, not for live viewing of IP camera**.
5	**Network**	Connects to the network using a standard RJ-45 CAT5 10/100Mb Ethernet cable. Connects to a router or switch for connecting IP cameras using a standard RJ-45 CAT5 10/100Mb Ethernet cable.

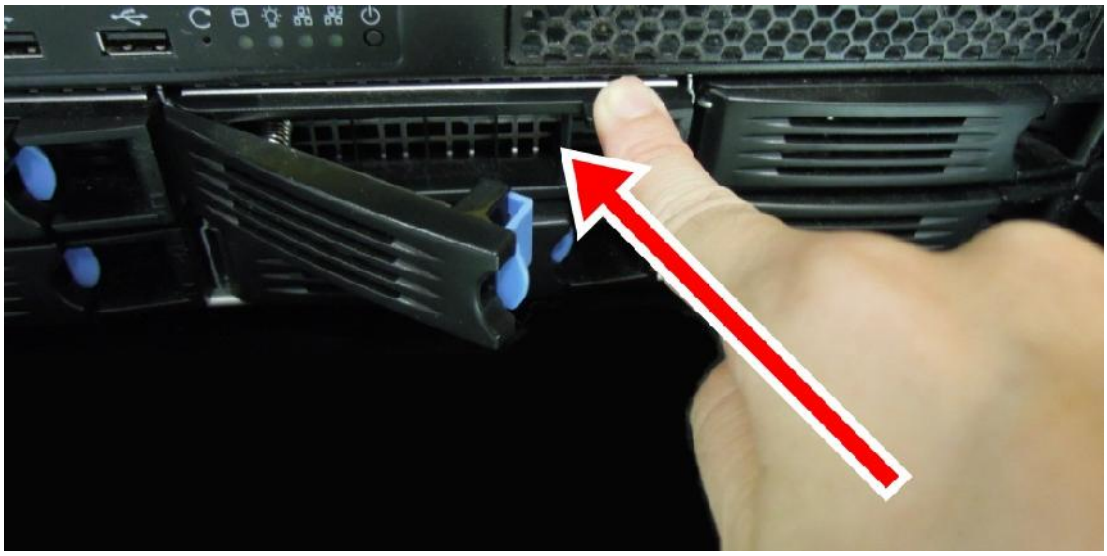
Chapter
2

2. Installation

2.1 Hard Disk Drive Installation

1. Open the white boxes containing the hard drive.

2. Open the HDD tray by pressing the blue button.



3. Insert the HDD tray into the NVR, and push back the black panel to close it.

2.1.1 Hard Disk Compatibility List

Please use the hard disk models recommended in the list below to ensure your hard disks will be compatible.

SATA Hard Disk	Model	Capacity
Seagate	CE-Video SATA3 / ST1000VM002	1TB
	CE-Video SATA3 / ST2000VM003	2TB
	CE-Video SATA3 / ST3000VM002	3TB
	CE-Video SATA3 / ST4000VM000	4TB
	SV35 SATA6 7200/ ST4000VX000	4TB
	SV35 SATA6 7200/ ST1000VX000	1TB
	SV35 SATA6 7200/ ST2000VX000	2TB
	SV35 SATA6 7200/ ST3000VX000	3TB
	Constellation CS SATA3 7200 / ST1000NC000	1TB
	Constellation CS SATA3 7200 / ST3000NC000	3TB
	CE-Video SATA6 5900RPM / ST1000VM002	1TB
	CE-Video SATA6 5900RPM / ST2000VM003	2TB
	SV35 SATA3 7200/ST3000VX000	3TB
	SV35 SATA3 7200/ST2000VX000	2TB
	SV35 SATA3 7200/ST1000VX000	1TB
Toshiba	MD03ACA200V 2TB SATA 7200RPM 64MB	2TB
	MD03ACA300V 3TB SATA 7200RPM 64MB	3TB
	MD03ACA400V 4TB SATA 7200RPM 6MB	4TB
Western Digital	WD40PURX-64GVNYO	4TB
	WD30PURX-64P6ZY0	3TB
	WD20PURX-64P6ZY0	2TB
	WD10PURX-64D85Y0	1TB

Note: If using two or more hard disks, please choose the hard disks with the same capacity.

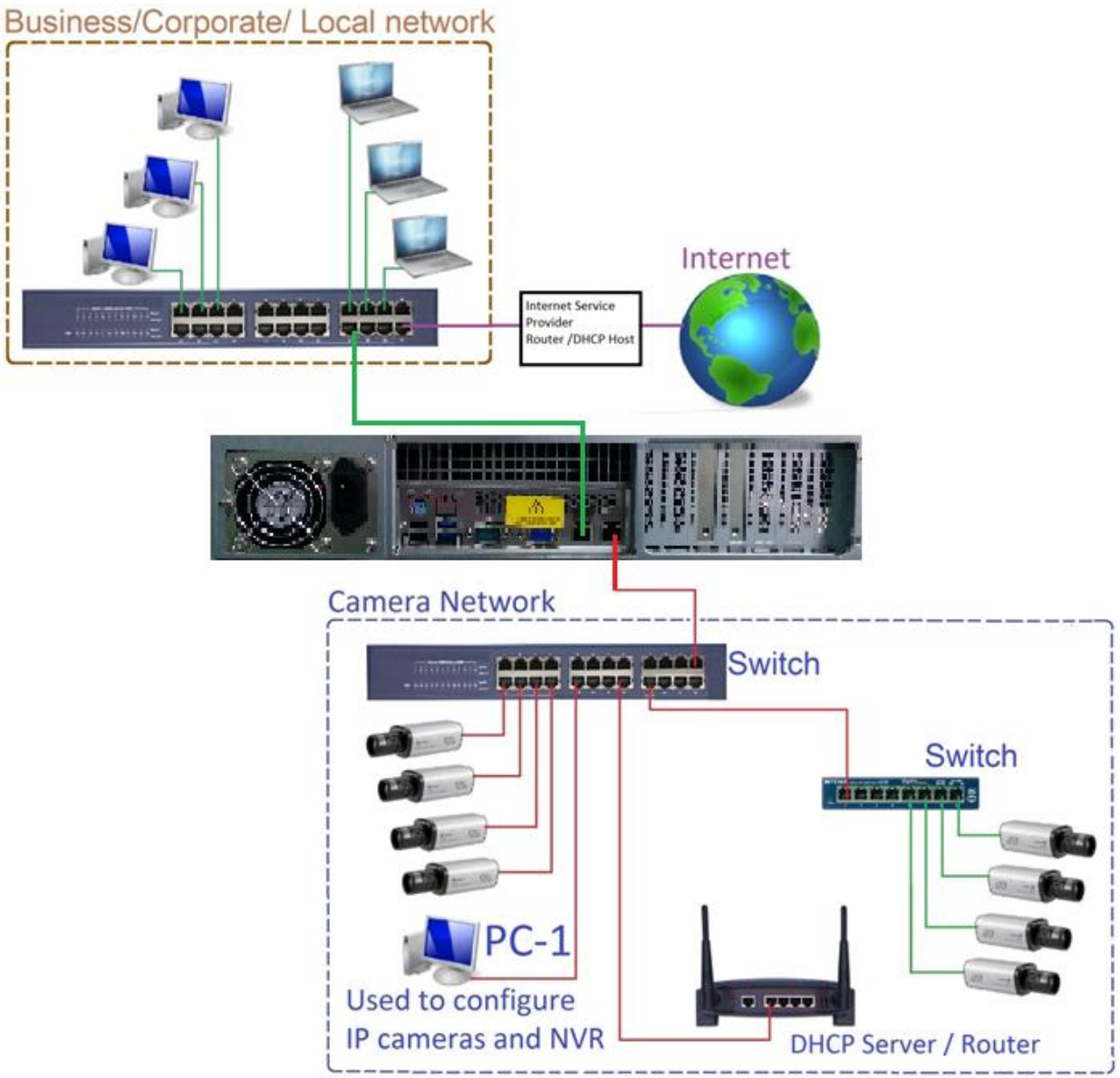
2.2 Basic Connection

The instructions below describe the basic connection for NVR8008X.

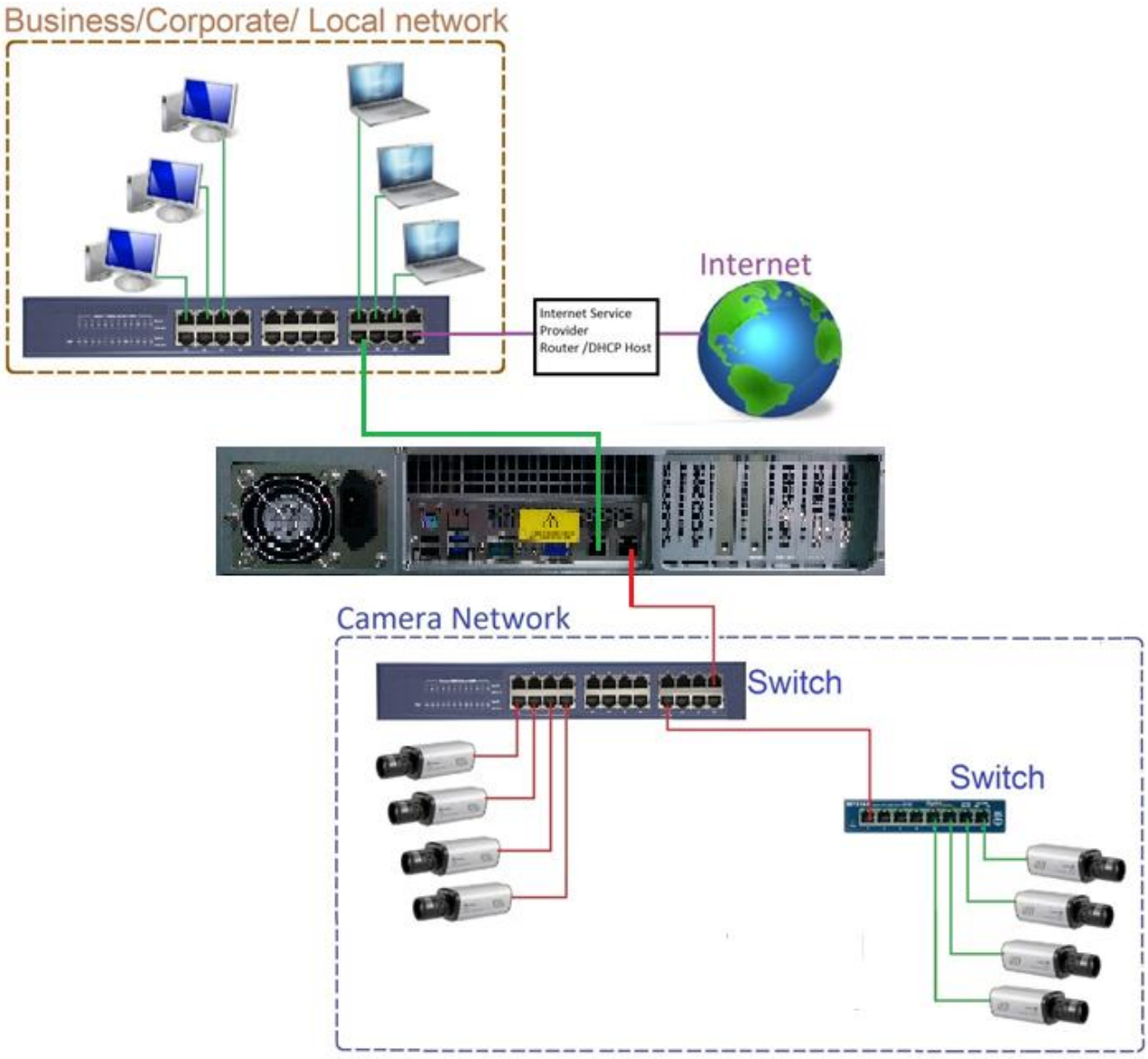
Before powering on the NVR, make sure the internal HDDs have been installed properly. When you have completed the basic cable connections, you are ready to turn on the NVR.

This NVR has dual network ports. It is recommended to separate your IP-camera network from your other network.

The diagram below is an example of an initial network set up.



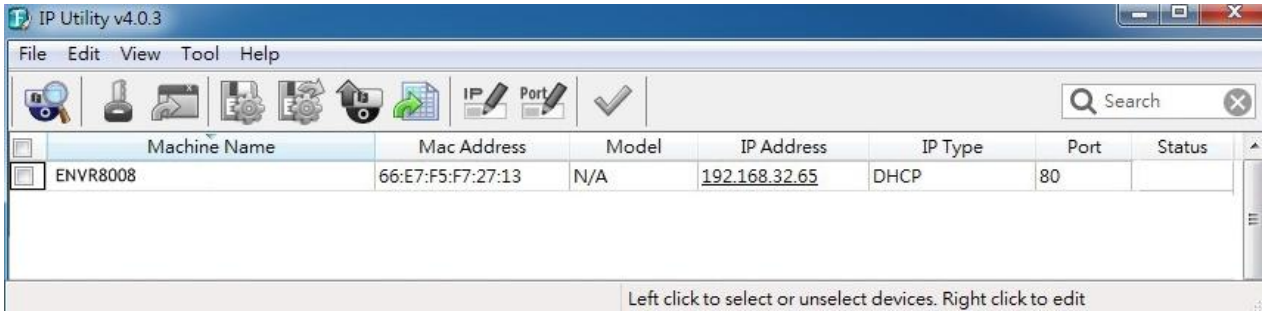
Once NVR and IP camera configuration is complete, the DHCP Server/Router and PC-1 can be removed from the Camera Network.



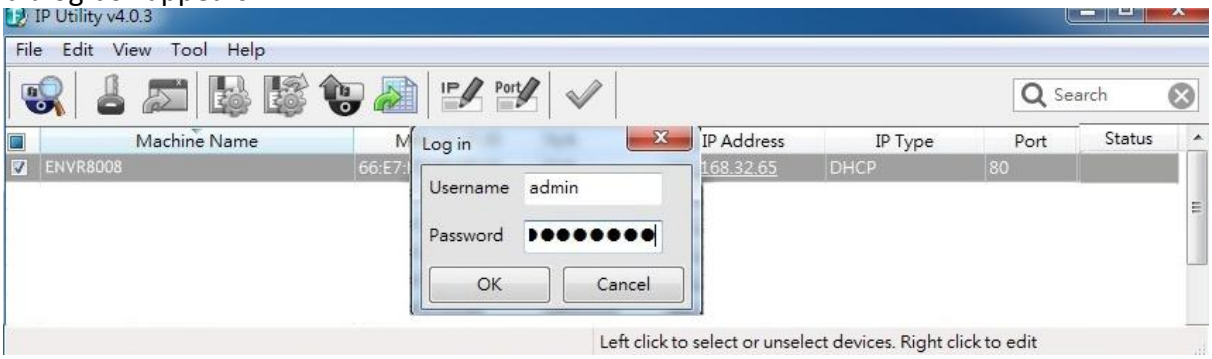
2.3 Checking the Dynamic IP Address

You can look up the IP address and access the Web interface of the NVR using the **IP Utility (IPU)** program, which is contained in the CD. It can also be downloaded from EverFocus' Website: http://www.everfocus.com/

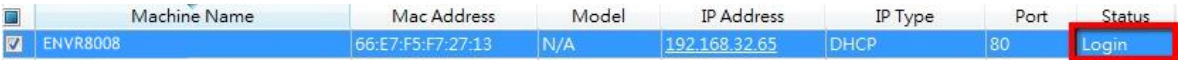
1. Save **IP Utility Setup AutoRun.exe** in your computer. Double click the .exe file and follow the on-screen instructions. Check **Run IPUtility.exe** and click the **Finish** button, the IP Utility will be launched to search the IP devices connected in the same LAN automatically.



2. To optionally configure the Machine Name, IP Address, IP Type or Port Number using the IPU:
   a. Log in the NVR by checking the desired model and then click the **Log in** icon. The Log in dialog box appears.

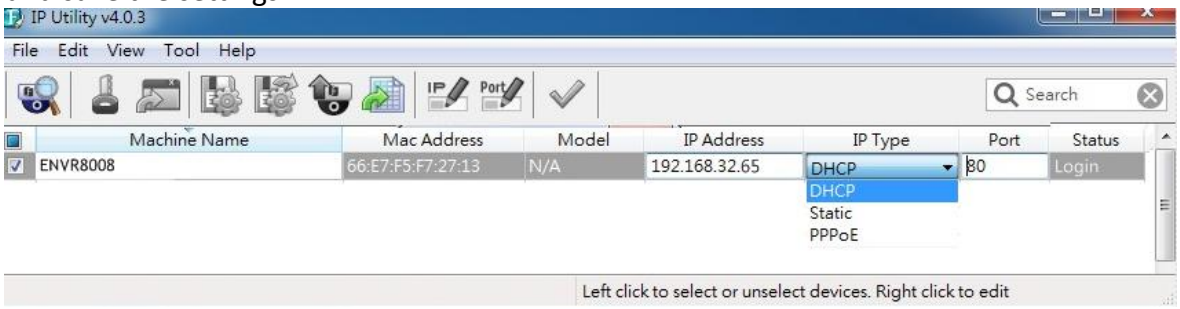


b. Type the Username and Password. Click the **OK** button, the status of the selected camera will display **Login**.



Note:
1. The default user ID is **admin** and the default password is **11111111**.
2. If you select more than one NVR that have the same user ID / password, you will be able to log in several NVRs at once.

c. Right click the column to configure the setting. Click **Apply Changes** button to apply and save the settings.



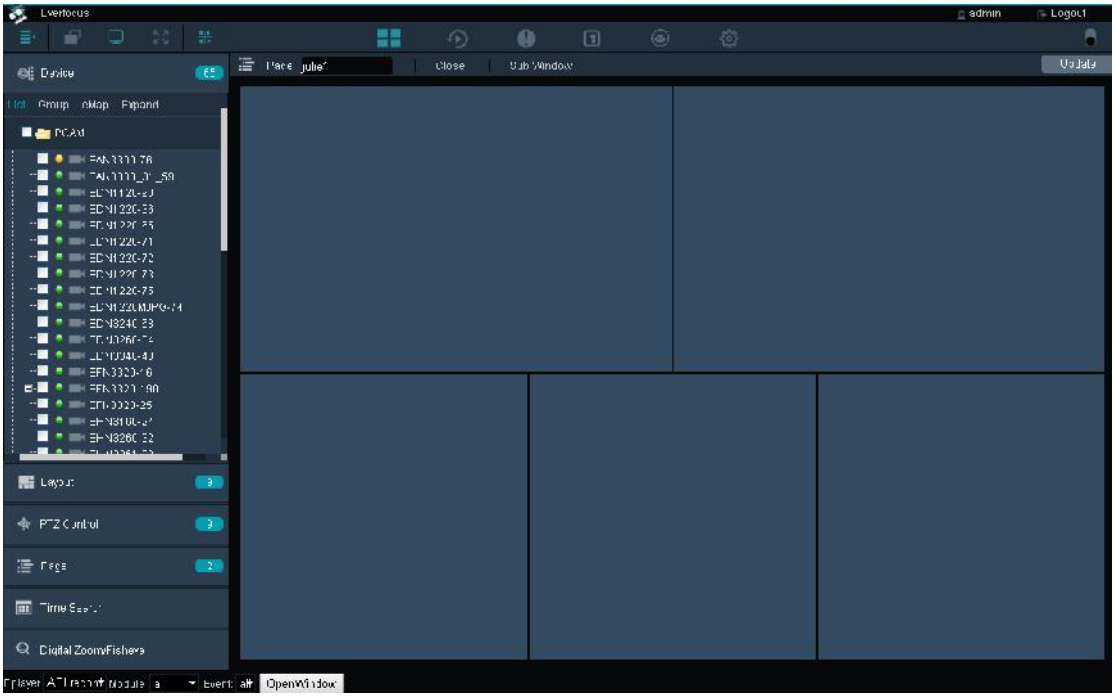
Note: Most networks uses DHCP to assign IP address, if you are unsure of your network settings, please consult your network administrators for configuration details.

3. To access to the Live View window, open a Google Chrome Web browser, type the IP address of the NVR in the address field and press the **Enter** key on the keyboard, the Welcome window appears. Follow the instruction steps to update the latest Plug-in version.

Note: The Welcome window will only be prompted for the first time login in order to update the system to the latest plug-in version.

4. After reloading the webpage, the login window is displayed again. Type the user ID and password to log in. By default, the user ID is **admin,** and the password is **11111111**.

5. Click the **Login** button, the Live View window (see *3.2 Live View Window*) appears.



Chapter

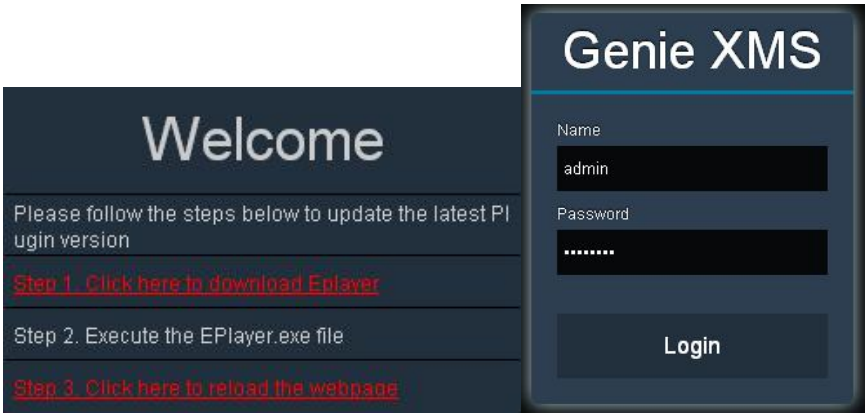
3

3. General Operation

You can view the live videos or operate the Live View Window through the Web browser.

3.1 Login / Logout

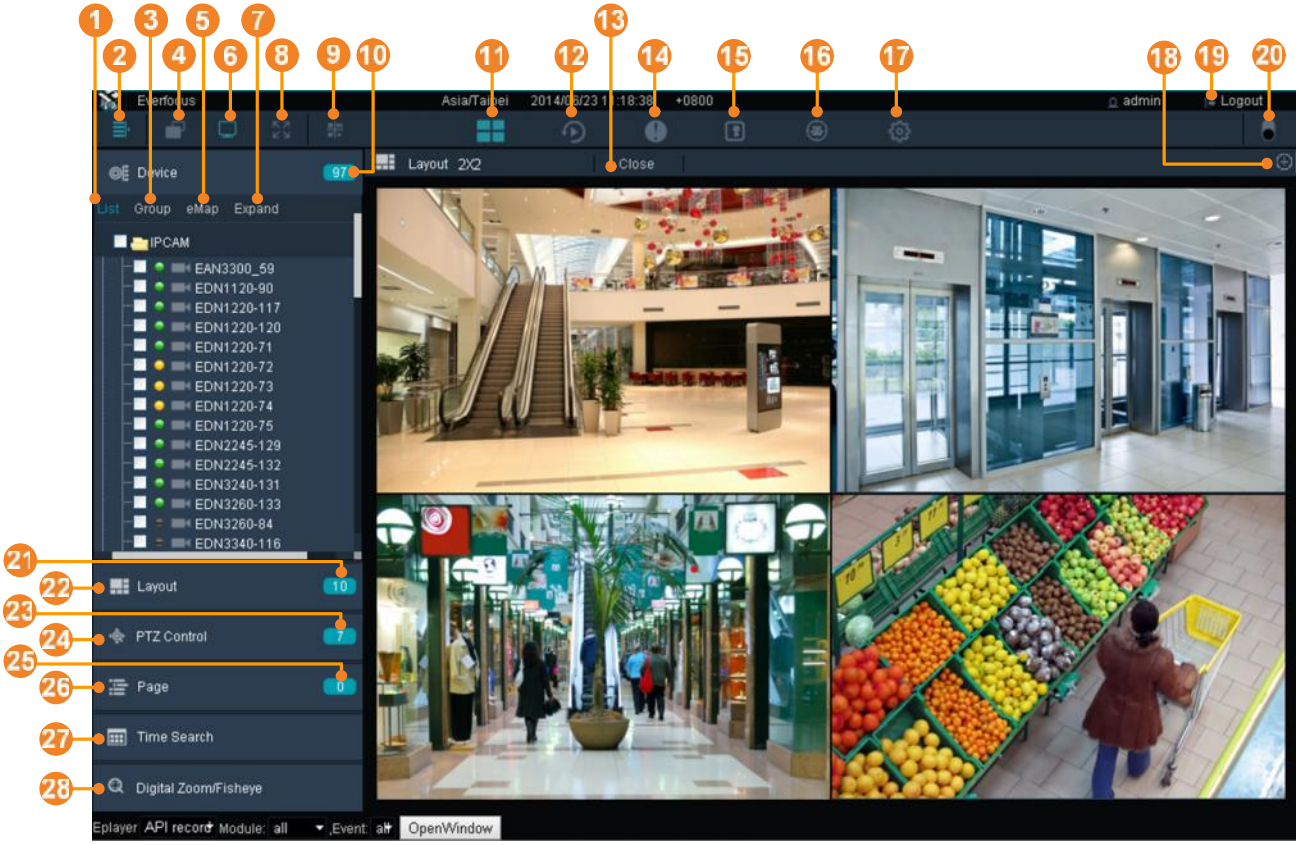
1. To log in the system, open a Google Chrome Web browser, type the IP address of the NVR in the address field and press the Enter key on the keyboard, the Welcome window pops up. Follow the instruction steps to update the latest Plug-in version. After reloading the webpage, the login window pops up. Type the user ID and password to log in. By default, the user ID is **admin** and the password is **11111111**.



Note: The Welcome window will only be prompted for the first time login in order to update the system to the latest plug-in version.

2. To log out the system, click the **Logout** button on the upper-right corner of the Live View Window. The system will return to the login window.

3.2 Live View Window



No.	Name	Description
1	**List**	Click to display the Device List
2	**Menu Tree**	Click to show / hide the Menu Tree of the Device List.
3	**Group**	Click to configure the Group settings (see *3.2.3.1 Group Settings*).
4	**Ratio**	Click to switch live video ratio between original (source video) and extended (to the layout screen).
5	**eMap**	Click to display the eMap (see *3.2.1 eMap*).
6	**OSD Display Mode**	Click to show / hide the information of device name and time.
7	**Expand / Collapse**	Click to expand or collapse the Device List.
8	**Full Screen**	Click to display the Live View layout in full screen.
9	**Option**	Click to show/hide the Live View Tool Bar at the bottom of each cell. See *3.2.2 Live View Tool Bar* for more details.
10	**Device Detail**	Click to enter the Device List setup page (see *3.2.3 Device List Setup*).
11	**Live View**	Click to display the Live View layout.

12	**Playback**	Click to enter the playback page for multi-channel playback.
13	**Close Stream**	Click to disconnect the live streams.
14	**Event List**	Click to enter the Event List setup page.
15	**Access List**	This function is optional. Click to enter the Access Control setup page.
16	**IVS**	This function is optional. Click to enter the Intelligent Video Surveillance (IVS) setup page.
17	**Setting**	Click to enter the Settings page (see *3.5 Setting*).
18	**Add**	Click to save the current live layout as a Page in the Page List (see *3.2.5 Page Setting*).
19	**Logout**	Click to log out the system.
20	**Theme Switch**	Click to switch the theme between the dark and light.
21	**Layout Detail**	Click to enter the Layout Design page. You can further create or modify the personal layout design (see *3.2.4 Layout Setting*).
22	**Layout**	Click to enter the layout page for layout selection (see *3.2.4 Layout Setting*).
23	**PTZ Detail**	Click to enter the PTZ setup page.
24	**PTZ Control**	Click to display the PTZ Control panel.
25	**Page Detail**	Click to enter the Page setup page (see *3.2.5 Page Setting*).
26	**Page**	Click to display the Page List (see *3.2.5 Page Setting*).
27	**Time Search**	Click to display the Time Search calendar for playback.
28	**Digital Zoom / Fisheye**	Click to enter the Digital Zoom / Fisheye operation page.

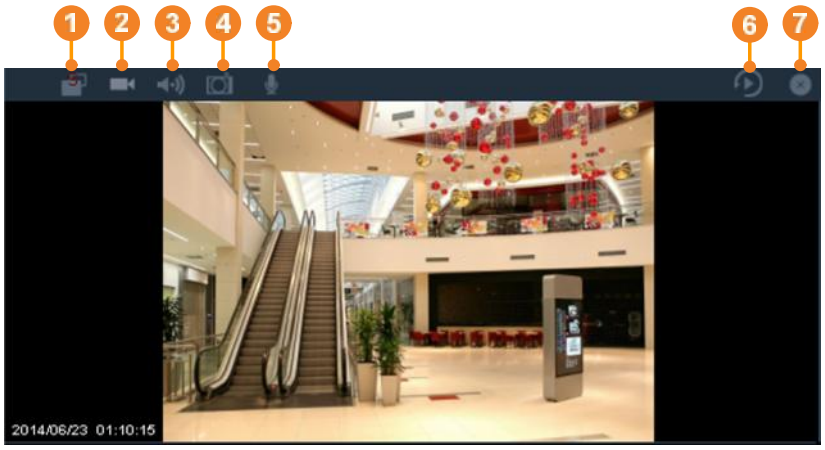
3.2.1 eMap

On the Live View Window, click the **eMap** button, the eMap page appears.

No.	Name	Description
1	**List**	Click to display the eMap list.
2	**Select**	Click to select an eMap picture (PNG, JPG, JPEG, GIF, TIFF).
3	**Delete**	Click to delete an eMap.
4	**Save**	Click to save the settings.
5	**Clear**	Click to clear the eMap settings.

3.2.2 Live View Tool Bar

You can use the Live View Tool Bar to control the main / sub streams, local recording, audio, snapshot and playback of the IP camera. On the Live View Window, click the **Option** button, the Live View Tool Bar appears on the top of the live view cell.



No.	Name	Description
1	**Stream Type**	Click to switch between main and sub stream.
2	**Record**	Click to start / stop local recording. You have to set up the recording path for the recordings in advance (see *3.3.1 Setting up the Recording Path*).
3	**Audio (Speaker)**	Click to transfer the sound from the device to the client side (remote client PC) if the speakers have been connected to the device. Note that a (built-in) amplifier and external power supply are required for the speakers.
4	**Snapshot**	Click to take a snapshot. You have to set up the recording path for the snapshots in advance (see *3.3.1 Setting up the Recording Path*).
5	**Microphone**	Click to transfer the sound from the client side (remote client PC) to the device if the microphones have been connected to the client side. Note that a (built-in) amplifier and external power supply are required for the microphones.
6	**Quick Playback**	Click to display the Quick Playback Bar for playing back (see *3.4 Quick Playback*).
7	**Close**	Click to disconnect the stream.

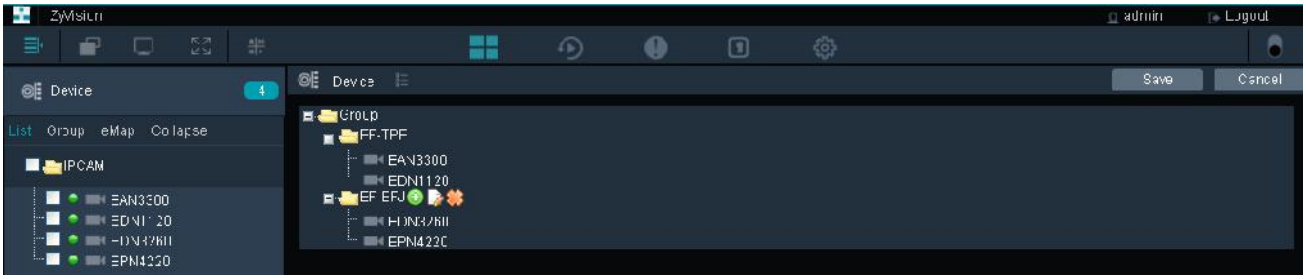
3.2.3 Device List Setup

You can configure and manage the device list using this page. On the Live View Window, click the **Device Detail** button, the Device List Setup page appears on the right window.

No.	Name	Description
1	**Device Detail**	Click to enter the Device List setup page.
2	**Device**	Click to display the Device List.
3	**Group / List**	Click to switch between Group view and List view for the Device List. You can also setup the Group settings (see *3.2.3.1 Group Settings*).
4	**Edit / View**	Click to switch between Edit and View mode for the Device List. For editing the added devices, see *3.2.3.2 Editing Device Configurations*.
5	**Export**	Click to export the Device List file (.csv).
6	**Load Template**	Click to download the Device List Template (.csv).
7	**Total**	Display the current number of the connected devices.
8	**Device Type List**	Click the drop down list and select the desired device type (see *3.2.3.3 Device Type List*).
9	**Import**	Click to import the Device List file (.csv).
10	**Delete**	Select the desired devices and click the **Delete** button to remove the devices from the Device List.
11	**Add**	Click to enter the Maintain page for adding devices. For more details on adding devices, see *3.2.3.4 Adding Devices*.
12	**Device Indicator**	The Device Indicator indicates the status of the devices (see *3.2.3.5 Device Indicator*).

3.2.3.1 Group Settings

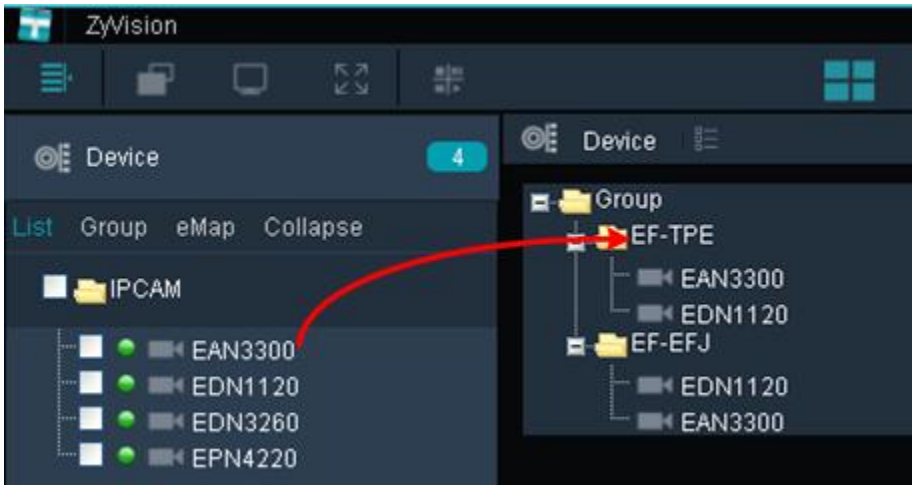
You can configure the group settings on this page.



1. On the Device List setup page, click the **Group** button, and then click the Group folder on the Group List, the modification icons appears.

2. Click the **add node** button and enter a name to add a node.

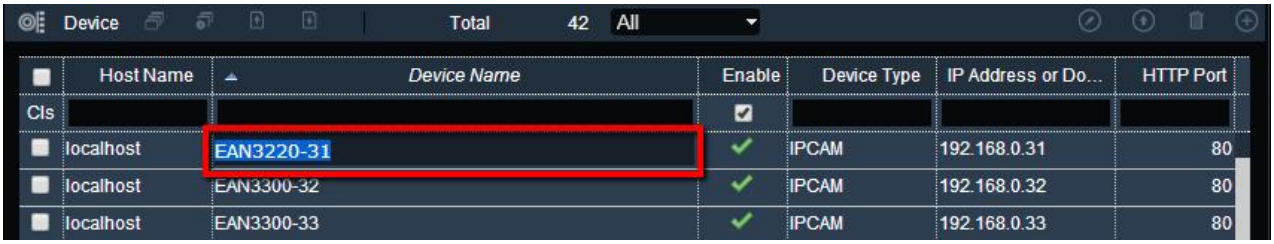
3. Drag a device from the Device List and drop it to the created group. You can drag multiple devices to a single group.



4. Click the **Save** button to save the settings.

3.2.3.2 Editing Device Configurations

To edit the added devices, on the Device List Setup page, click the **Edit** icon, click the column you want to configure and input the setting. Click the **Update** button to save the settings.



3.2.3.3 Device Type List

You can add devices, image, message or even a Website to the system. On the Device List Setup page, click the Device Type List drop-down list to select a device type.

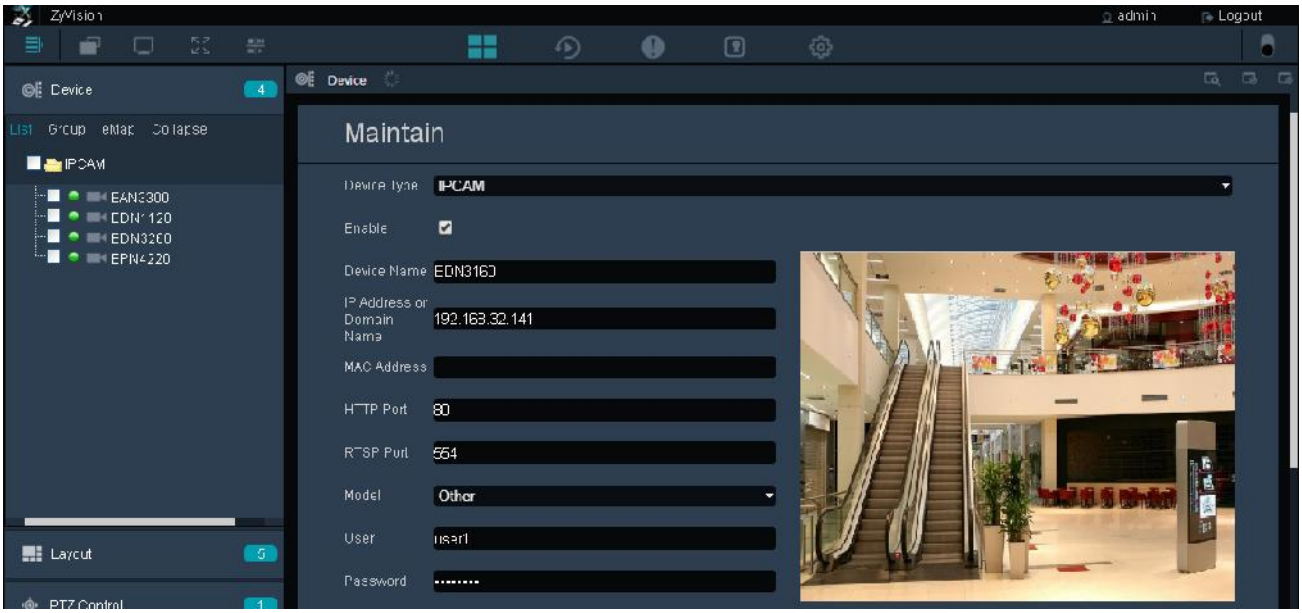
No.	Name	Description
1	**IPCAM**	IP camera.
2	**DVR**	EverFocus DVR.
3	**NVR**	EverFocus NVR.
4	**Message**	Display message for Text or Marquee mode.
5	**RTSP**	RTSP streaming URL.
6	**Image**	Picture (PNG, JPG, JPEG, GIF, TIFF).
7	**Access**	Access controller or reader.
8	**Access Server**	ENS200 Access management server.
9	**XMS**	EverFocus XMS server.
10	**WEB**	Web URL.

3.2.3.4 Adding Devices

You can manually or automatically add devices to the NVR. On the Device List Setup page, click the **Add** button, the Maintain page appears.

Manually Adding a Device

Select a device type from the Device Type drop-down list, enter the device information and click the **Save** button to save the settings. The device will be added to the Device List.



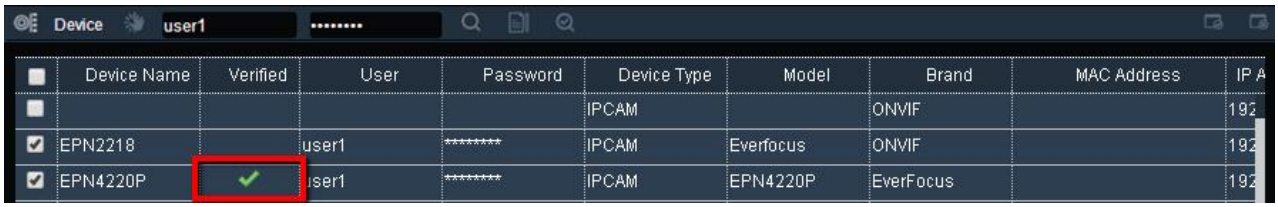
Automatically Adding Devices

On Figure above, click the **Auto Detection** icon to switch to the Auto Detection page.

1. Check the square beside the Device Name to select a desired device. (Note: If multiple devices have the same ID and Password, you can select multiple devices on this step).

2. Type the device ID and Password in the above columns.

3. Click the **Apply to Select** icon to apply the input ID and Password to the selected devices.
4. Click the **Authentication** icon, the verified devices will be marked with a check mark.



5. Click the **Save** button, the device will be listed on the Device List.

3.2.3.5 Device Indicator

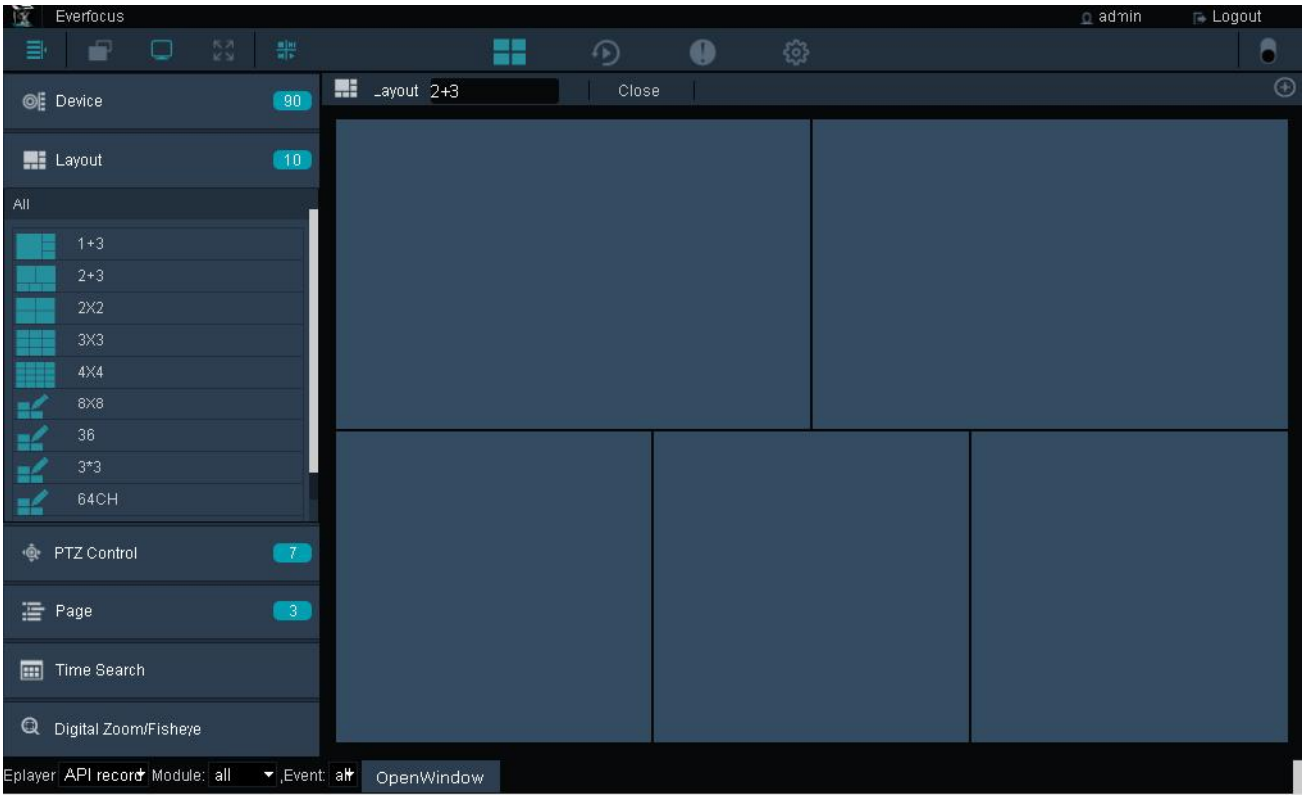
The Device Indicator indicates the status of the devices.

	Status	Description
	Connected	Indicates the devices have been connected with streaming displayed.
	Recording	Indicates the live view recording (schedule record) is on.
	Event Triggered	Indicates an event occurs or an alarm is triggered.
	No Connection	Indicates there is no connection of this device.
	Disconnect	Indicates the devices have been disconnected.

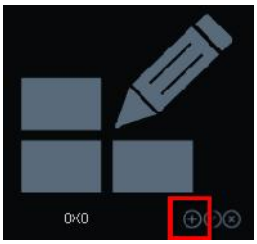
3.2.4 Layout Setting

You can configure the layout on this page. On the Live View Window, click **Layout** from the left-side bar, select a layout by clicking on the desired layout, the selected layout should be appeared on the right-side window.

To add the devices to the layout cells, on the left-side bar, click **Device**, drag and drop the devices from the Device List to the layout cells.

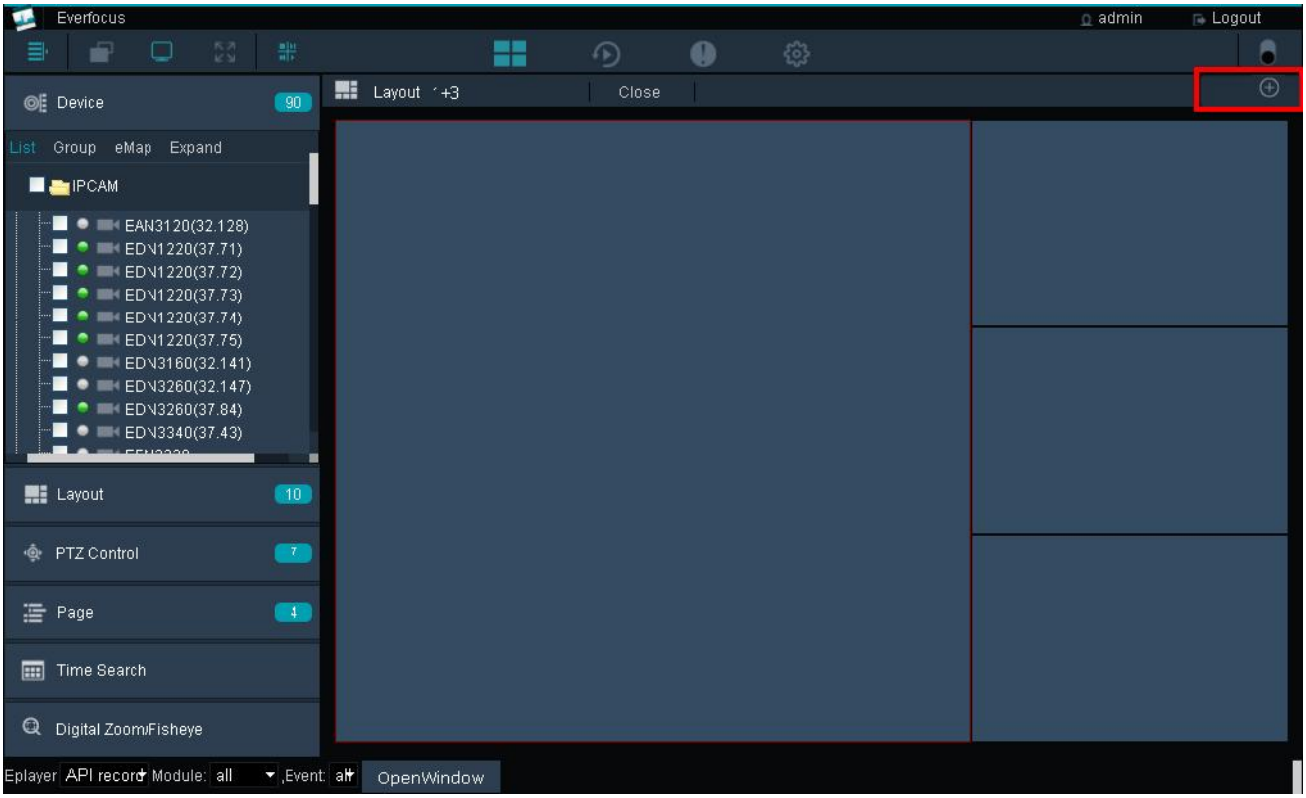


To create personalized layout, on the left-side bar, click the 10 **Layout Detail** button, select an editable layout and click the **Add** button, an edit bar should appear on the top of the window. Use the function buttons to add/delete/merge/separate layout cells. Click the **Save** icon to save the settings.



3.2.5 Page Setting

You can create multiple live view layouts and then save them as pages. Create a layout and then click the **Add** icon on the Live View Window. The layout will be saved in the Page List as a page.



To modified pages, on the Live View Window, click the **Page Detail** button on the left-side bar and then click the **Update** button.

3.3 Recording

You can set up a weekly recording schedule for the connected devices to record the videos in your computer. The recordings will be saved in AVI files. You have to set up a recording path for the recordings before activating this function (see *3.3.1 Setting up the Recording Path*).

On the Live View Window, click the **Setting** button, click the **Record & Play** menu bar on the left, click **Schedule**, and the following Schedule page appears.

Recording Type buttons:

: Continuous recordings only.

: Event recordings only.

: Continuous and Event recordings.

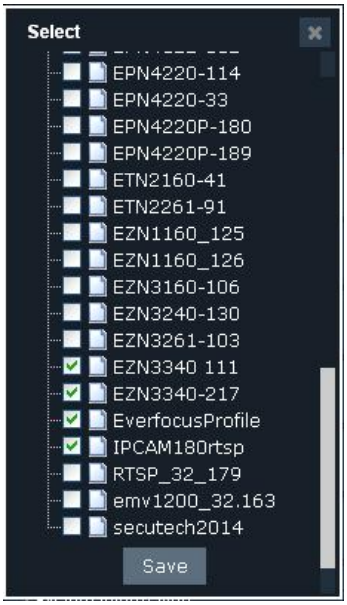
Note: For Event recordings, you have to configure the event settings in advance. On the Live View Window, click the **Setting** button and then click **Event** on the menu bar to enter the Event Setting page. For motion detection setting, please refer to 3.5.7 Motion Detect.

To add a recording schedule to the Schedule Name List:

1. Select a recording type by clicking on the Recording Type buttons.
2. Move the cursor on a desired time square, click and drag the cursor to set up the time period on each day. The squares will be displayed in blue/yellow/green to indicate which recording type has been applied to the time period.
3. Click the **Add** button and enter a name for the recording schedule.
4. The recording schedule should be listed in the Schedule Name List.

To apply a recording schedule to the desired devices:

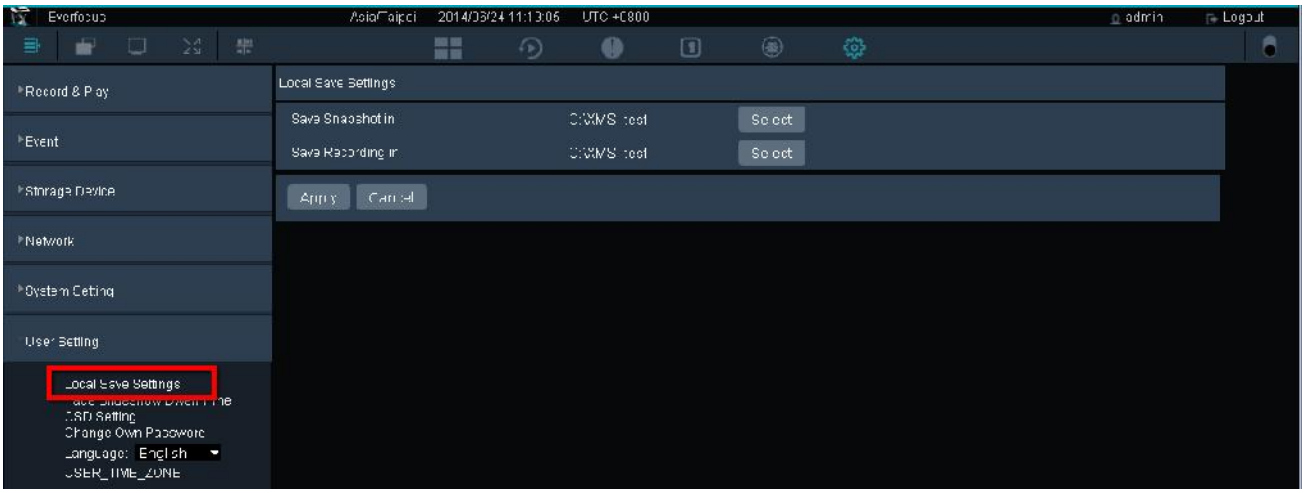
1. Click the **Device List** button, select the desired devices and then click the **Save** button.



2. Select a desired recording schedule from the Schedule Name List drop-down list and then click the **Apply** button.

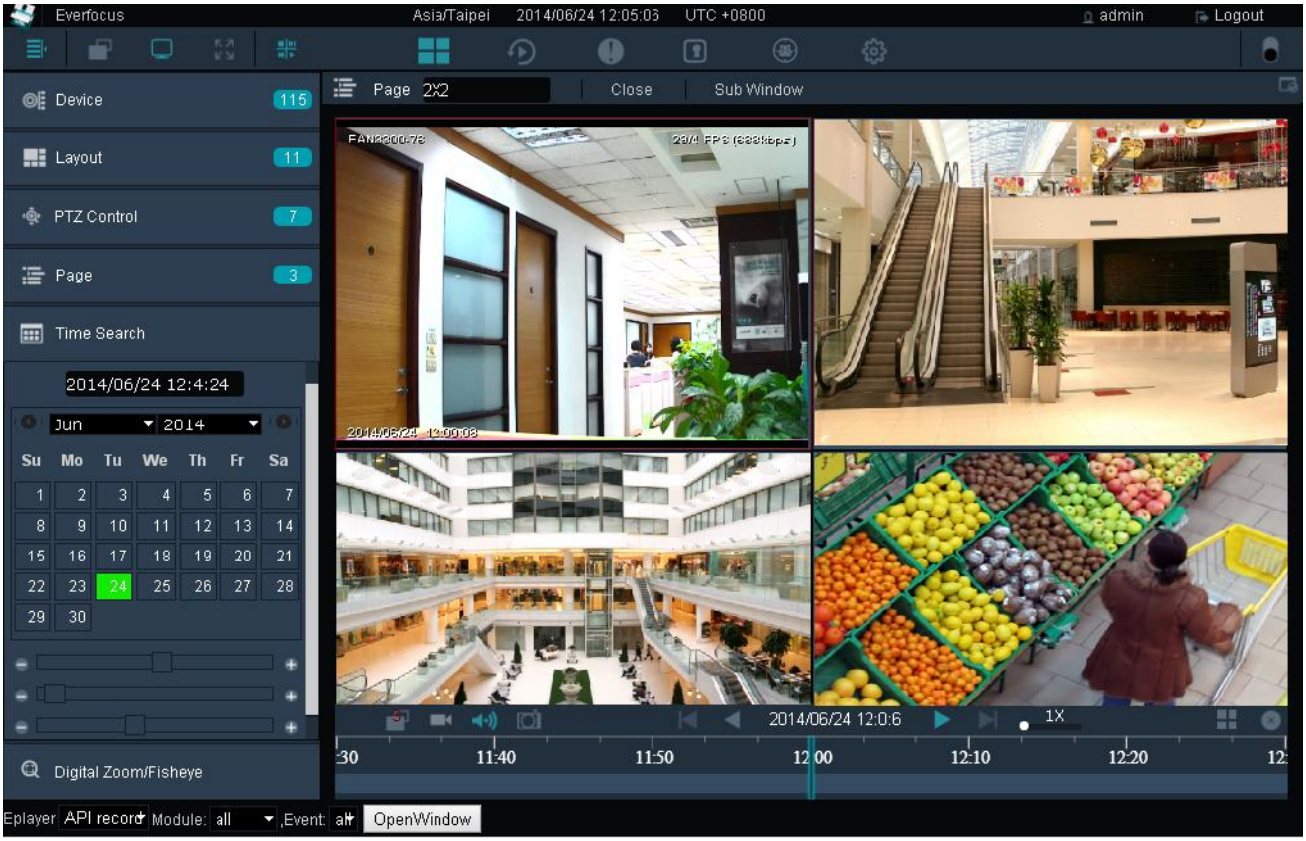
3.3.1 Setting up the Recording Path

On the Live View Window, click the **Setting** button, click the **User Setting** menu bar on the left, click **Local Save Settings**, and the following page appears. Click the **Select** button in the **Save Recording in** field to select a path for the recordings. Click the **Apply** button to save the settings. You can also set up a path for the snapshot images in the **Save Snapshot in field**.

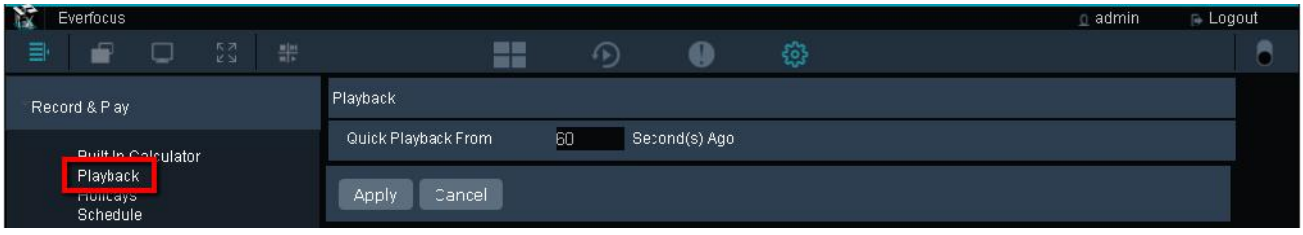


3.4 Quick Playback

You can play back the Live View recordings of the cameras stored in the client computer using the internal built-in player. On the Live View Window, click the **Option** button, the Live View Tool Bar appears on the top of the live view cell. Click the **Quick Playback** button, the playback bar appears on the button of the window. You can control the playback bar on this page.

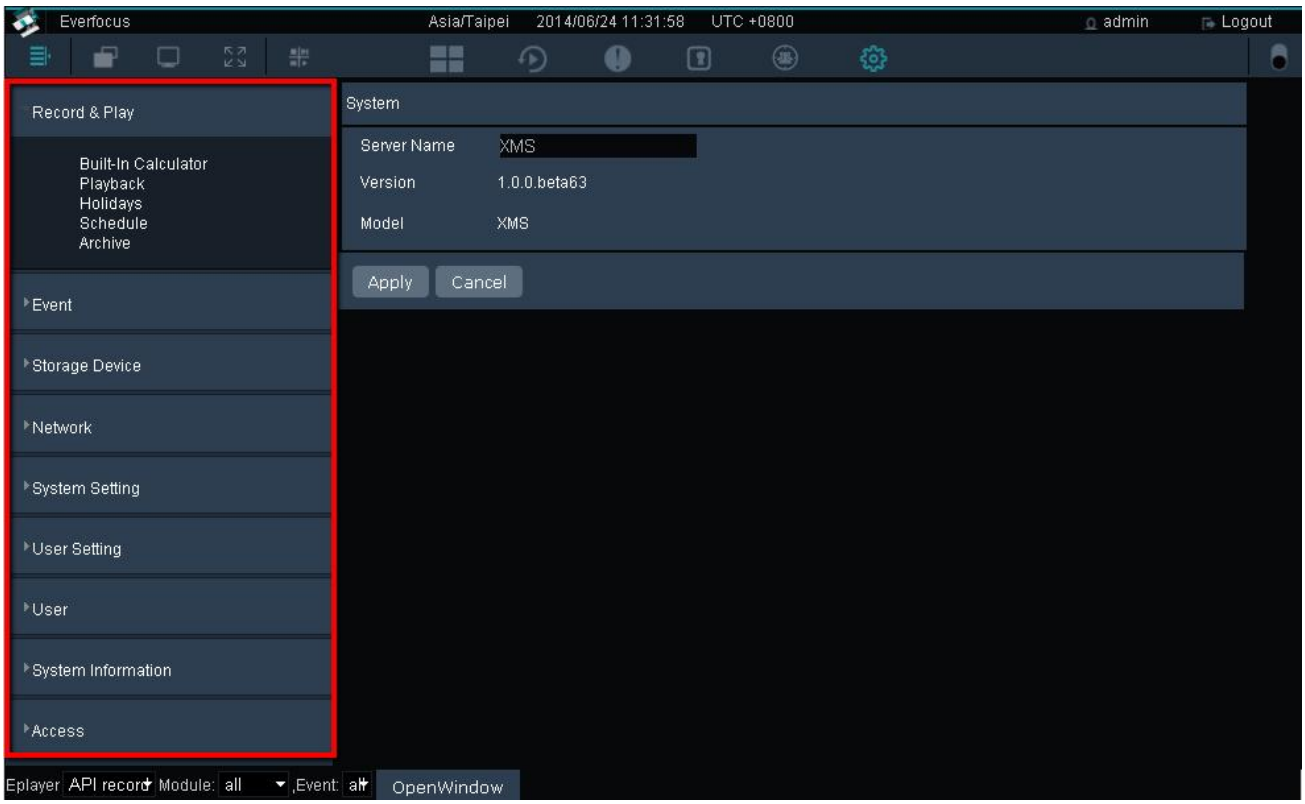


The Quick Playback function is designed to play back the recordings start from the pre-configured time. Before using the Quick Playback function, you have to configure the Playback settings in advance. On the Live View Window, click the **Setting** button, click **Record & Play** from the menu bar and click **Playback**, the Playback setup page appears. Enter the desired time for playing back the recording. Take the below image for example, if the current system clock time is 17:35:00, the start time for the playback recording will start from 17:34:00 (60 seconds ago from 17:35:00).



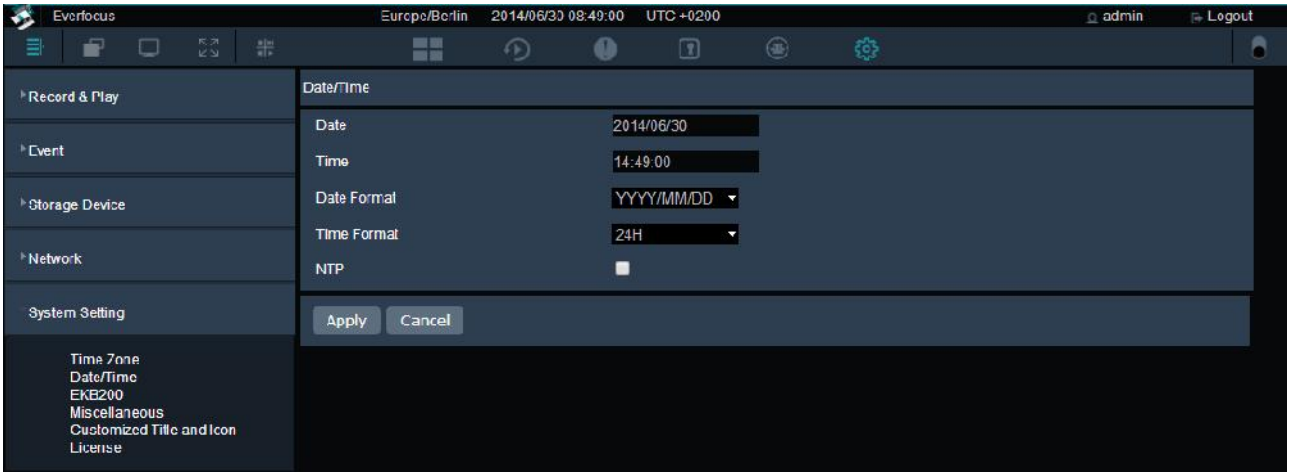
3.5 Setting

You can configure the system settings on this page. On the Live View Window, click the **Setting** button, a menu bar appears on the left side of the window. Enter each field to configure the settings.



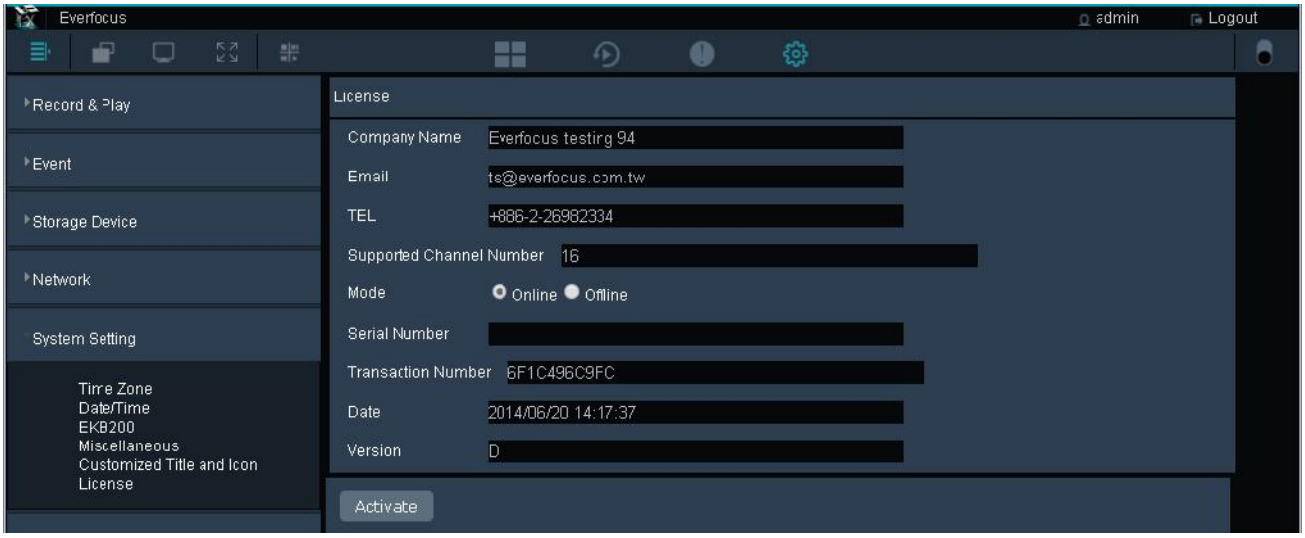
3.5.1 Date / Time

On the left-side menu bar, click **System Setting** and then click **Date/Time**. Enter the current date and time, and then click the **Apply** button to save the settings.



3.5.2 License

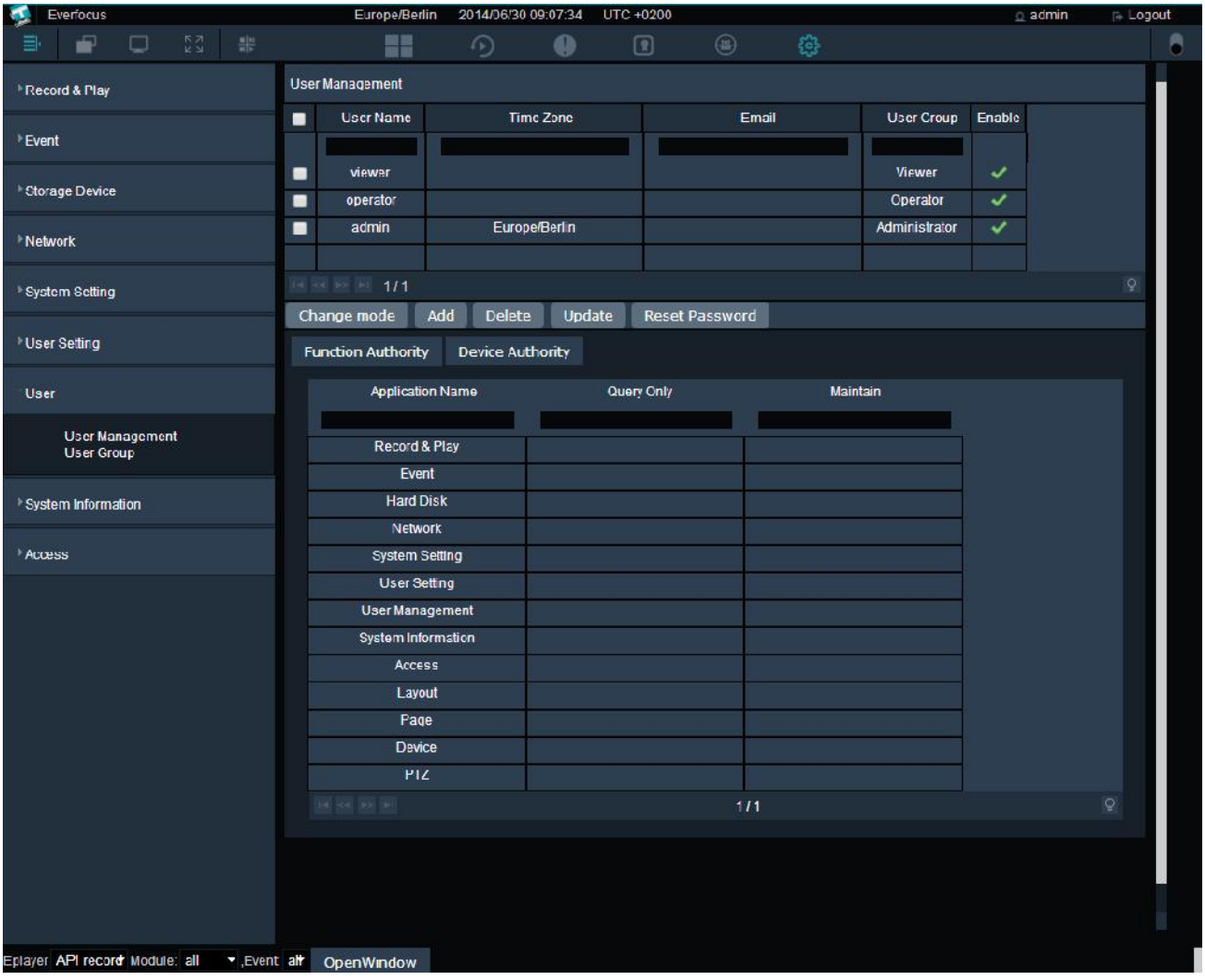
On the left-side menu bar, click **System Setting** and then click **License**. Enter the data, and then click the **Activate** button to activate the license.



3.5.3 User Management

You can create multiple user accounts with different privileges using this page. On the left-side menu bar, click **User** and then click **User Management**. Click **Change Mode**, click the **Add** button to add a user, input the password for the user, and select a user group from the drop-down list and then input the email address of the user. Click the **Save** button, the user should be listed in the User Management list.

Note that there are three group types for the user account: Administrator, Operator and Viewer. Each group type is applied with the fixed privileges as listed below.



3.5.4 Recording Data Report

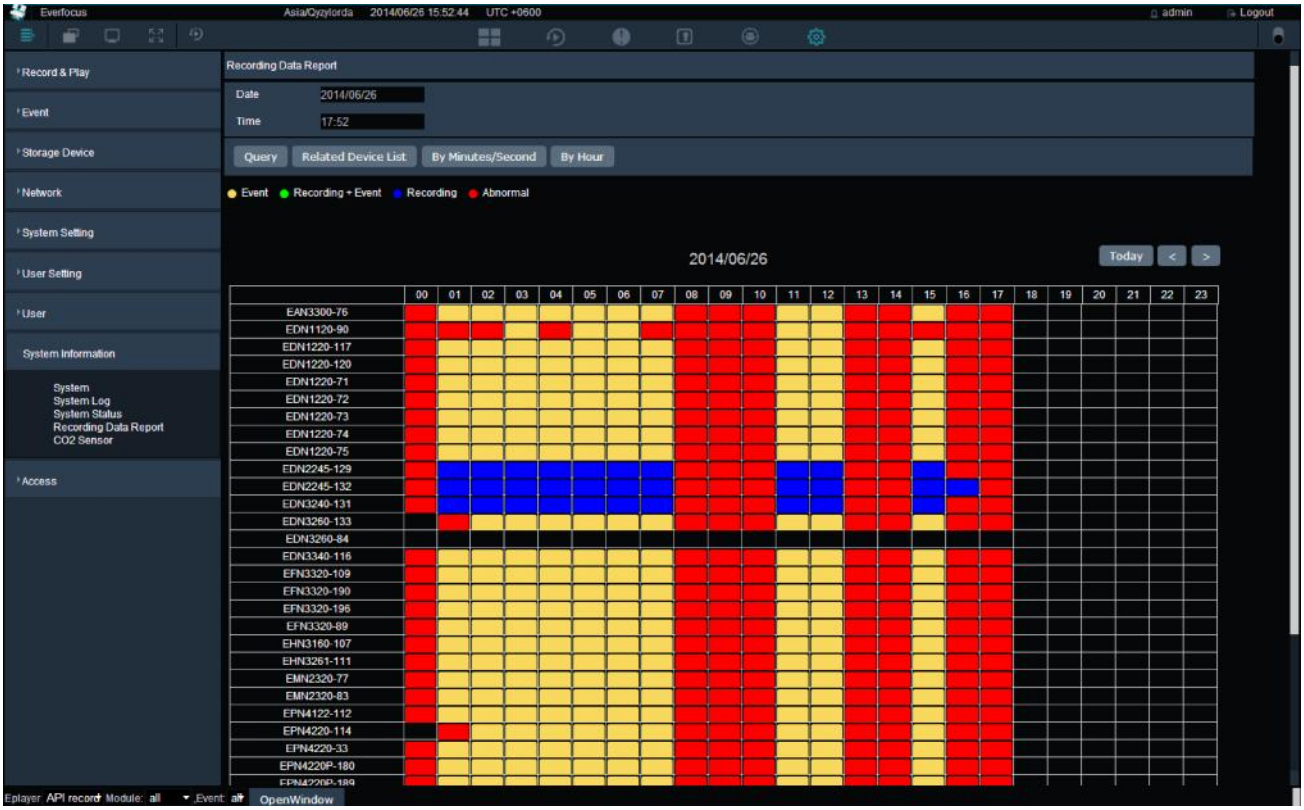
This Recording Data Report shows the recording status of all the devices. On the left-side menu bar, click **System Information** and then click **Recording Data Report**. Click to select a **Date** and **Time**, click **Related Device List** to select devices, and click **Query** to display the recording status report. You can click **By Minutes/ Second** or **By Hour** to show the report in different timeline formats.

Event: A yellow block represents only events are recorded during this time block.

Recording + Event: A green block represents the continuous and event recording during this time block.

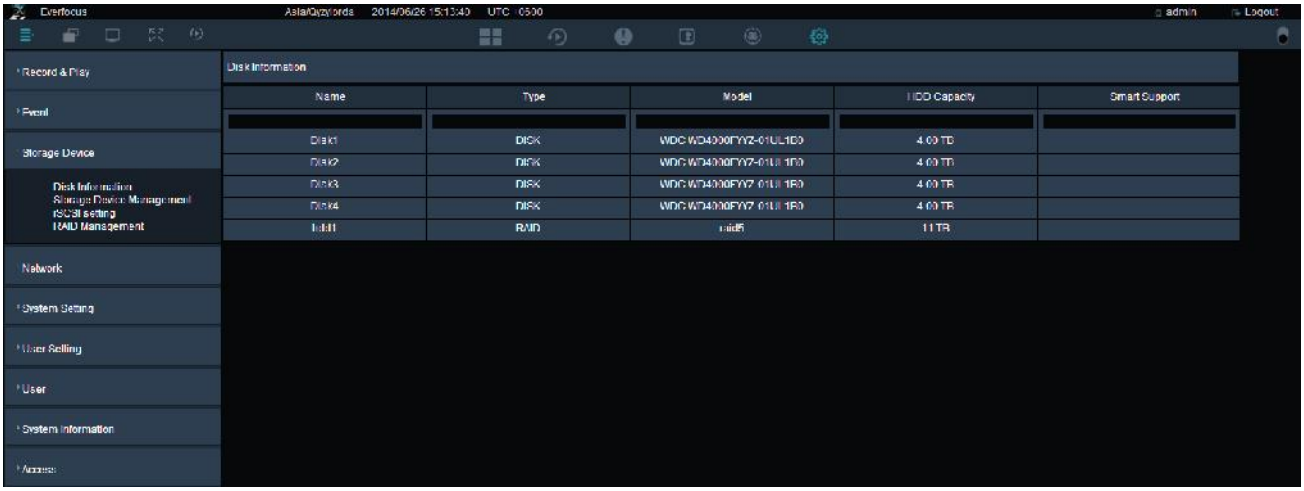
Recording: A blue block indicates the continuous recording during this time block.

Abnormal: A red block may result from disconnection, power-loss or ongoing recording during this time block.



3.5.5 Disk Information

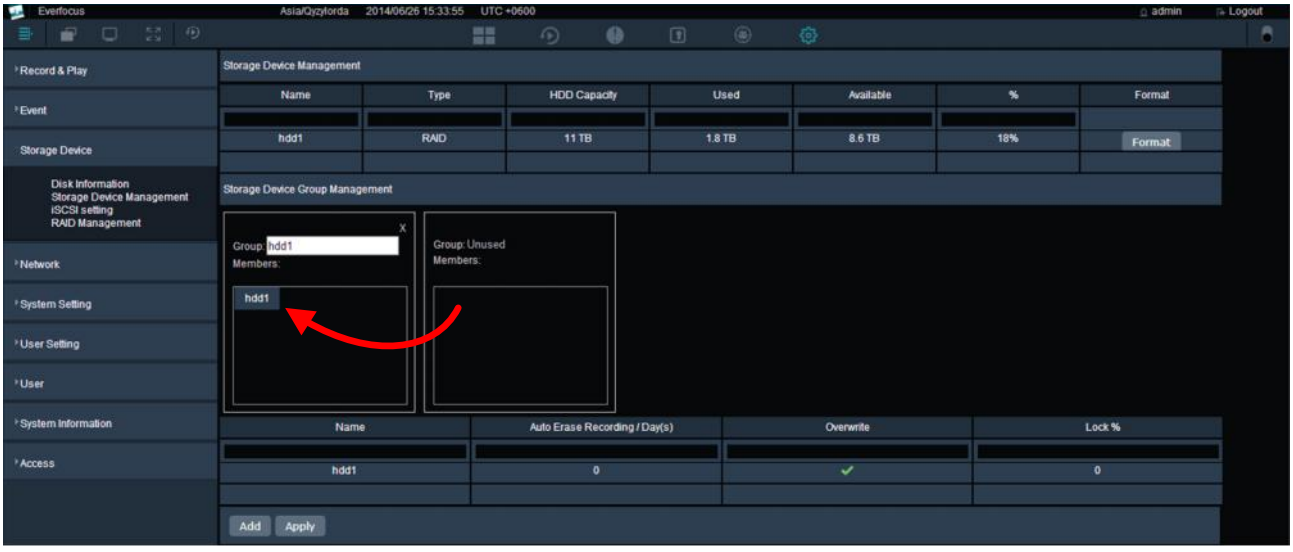
This Disk Information will automatically show the detailed information of all the installed hard disk drives, such as model name, disk type and capacity. On the left-side menu bar, click **Storage Device** and then click **Disk Information**.



3.5.6 Storage Device Management

You can manage all the storage devices on this page. On the left-side menu bar, click **Storage Device** and then click **Storage Device Management**. Click **Format** to format the HDD for the first time. (WARNING: This will effectively ERASE the ENTIRE hard disk!) Click **Add** to add a new group, enter a group name, and then drag and drop the disks from the Unused Group to the newly created group. Click **Apply** to group the disks.

Note that one disk can only be added to one group.



You can also configure the detailed settings for each group.

Name	Auto Erase Recording / Day(s)	Overwrite	Lock %
hdd1	0	✔	0

Auto Erase Recording / Day(s): The hard disk will automatically erase video after it has been on the hard drive for the entered number of days.

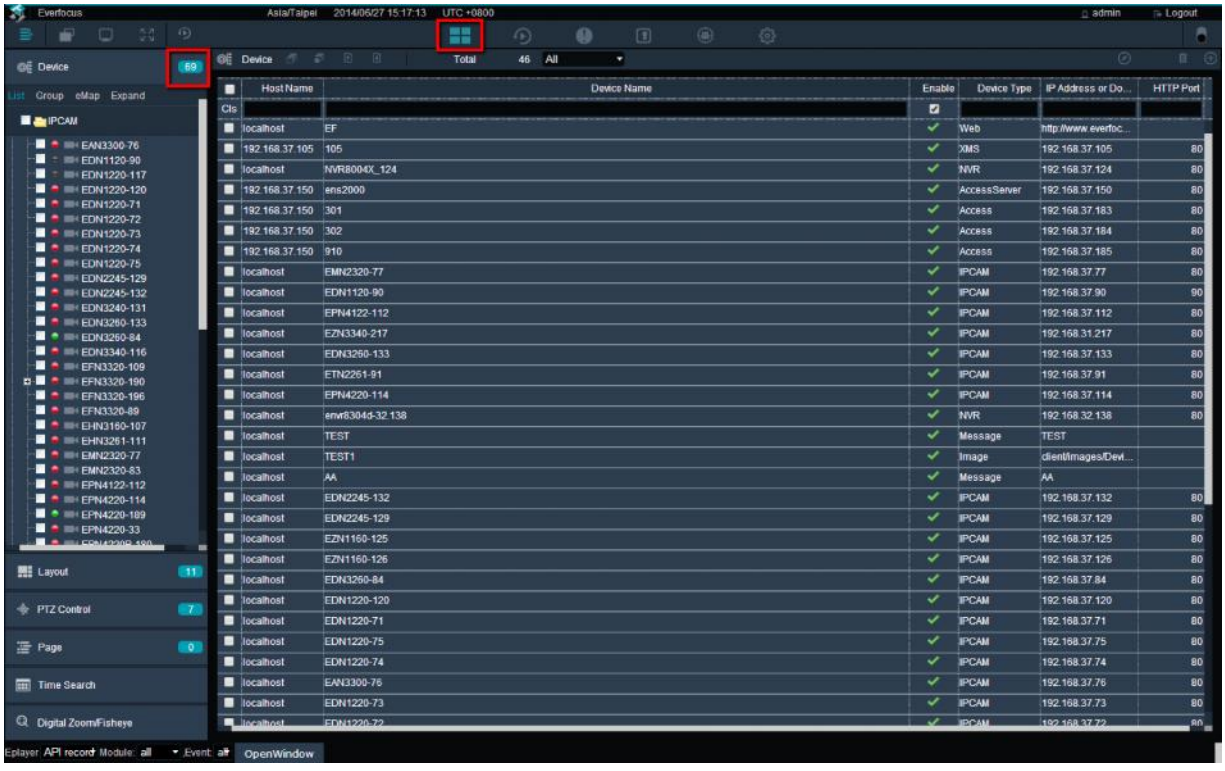
Overwrite: Check the box to overwrite the hard disk when the capacity is used up to 99% (the capacity does not include the locked space of the disk).

Lock %: Enter a percentage for a write protected segment of the hard disk (will not be overwritten). However, this locked space is currently reserved.

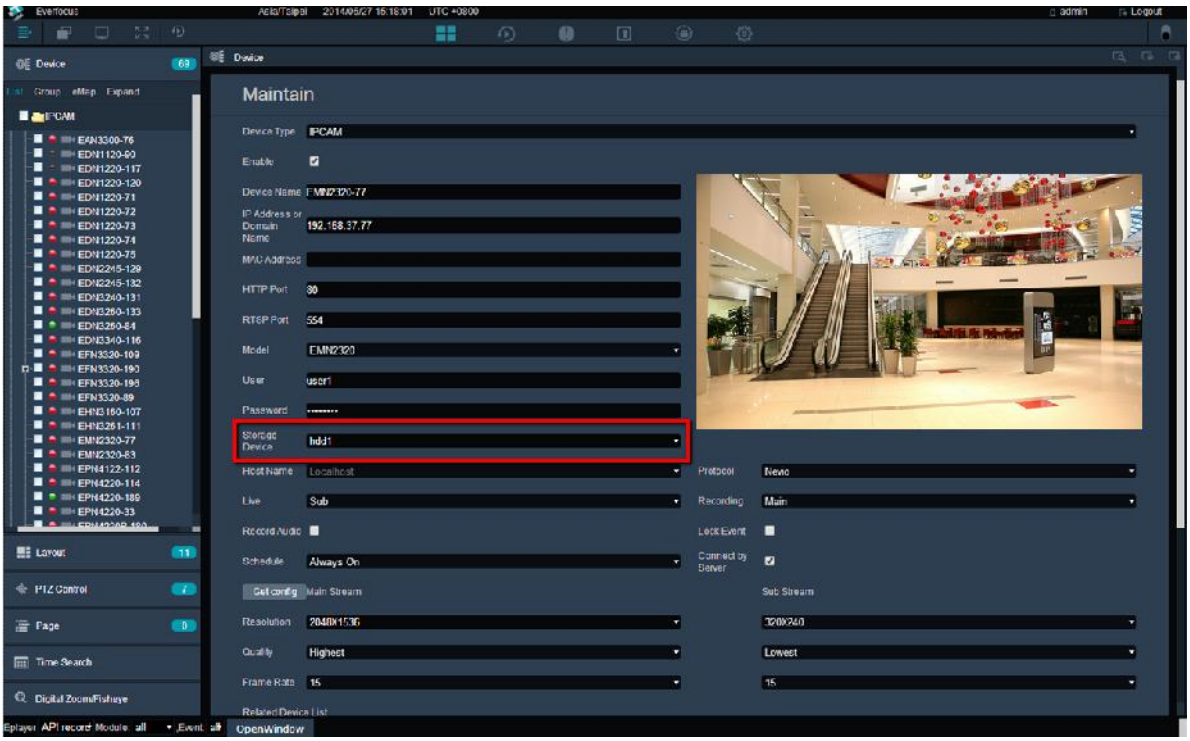
For example, if you check the **Overwrite** box and you set 20% of the locked disk space, when the disk is used up to 99% of the remaining 80% unlocked space, it will start overwrite the disk.

To save the IP camera recording to this disk group, please see below:

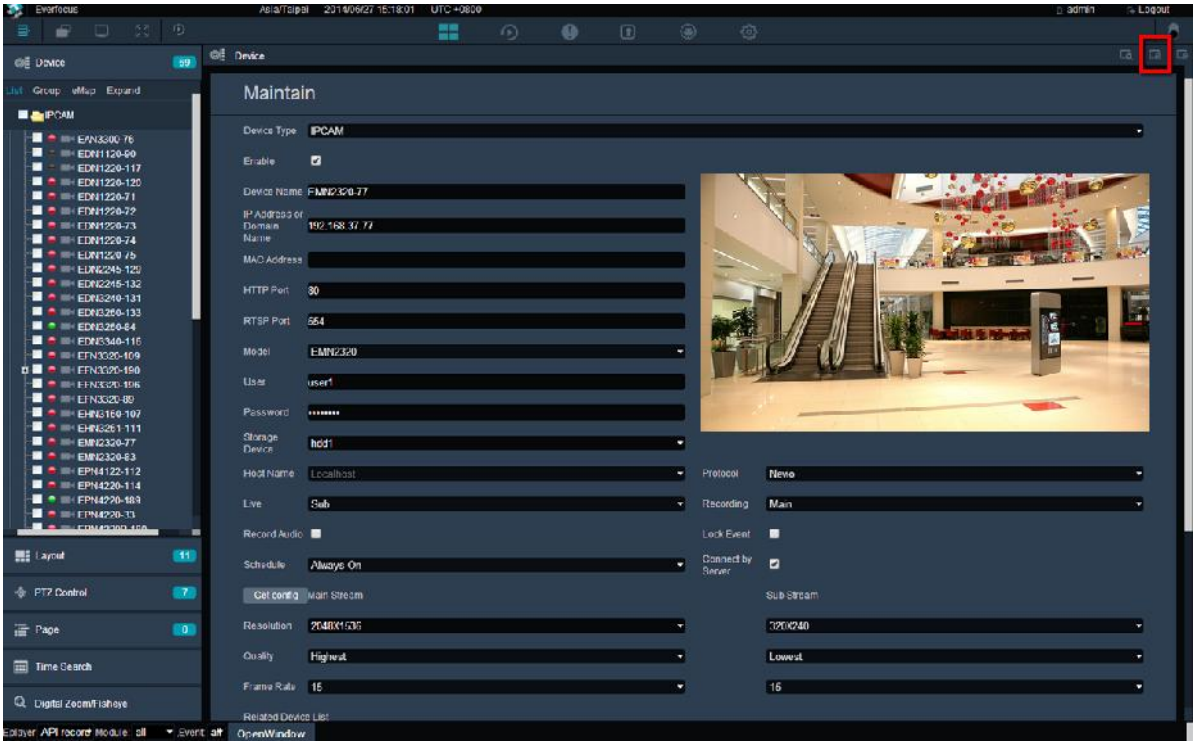
1. Go to the Live View page by clicking the **Live View** button, and then click **Device Detail**.



2. Double-click a device to display the device setting, and then click **Storage Device** to select a desired disk group.



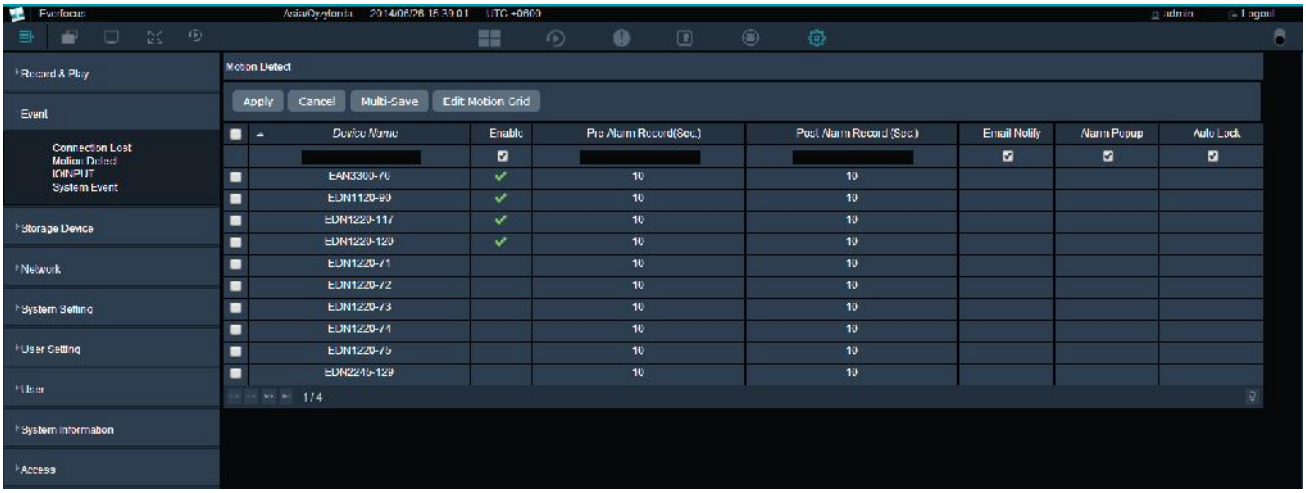
3. Click the **Save** button on the upper-right corner of the page.



3.5.7 Motion Detection

You can set up the motion detection of the IP camera on this page. On the left-side menu bar, click **Event** and then click **Motion Detect**. Check the **Enable** box on the devices which you want to set up the motion detection setting, and then click **Edit Motion Grid** to bring up the motion setting page.

On the left side, click on a device or select multiple devices and its image will be displayed at the right side. Click and drag a rectangle on the image to set up a motion area, and the selected area will be highlighted in blue. You can only set up one motion area. Click **Apply** to save the setting.



Chapter

4

4. Specifications

Commander II Series	ENVR-8008
Removable HDD Trays	8xSATA
Server Operating System	Linux
Client Operating System	Windows XP (32-bit) / Win7 (32 and 64-bit) / Mac OS X v10.6
Number of Cams per Recording Serve	64*
Maximum Number of Cams per Monitor	128
Maximum Number of Cams per Software	400
ONVIF Device Support	Yes
Video Compression	H.264, MJPEG
Multiple Stream Profile	Yes
Automatic Camera Model Detection	Yes
Edge Motion	Yes
Intuitive E-map	Yes
I/O Control	Yes
Audio Recording (Listen)	Yes
PTZ control	Yes
Support Panorama PTZ (360°)	Yes
Record on Schedule	Yes
Record on Event	Yes
Time Search and Playback	Yes
Central User Privilege	Yes
Web Client	Internet Explorer 9 and later, Firefox 4.0-9.0 ,Chrome(Windows version)
Mobile Client	iPhone, iPad, Android
Auto/Manual Backup	Yes
Export	AVI
Live Viewing	16 CH
Dual LAN	Yes

RAID	0,1,5,6, 10
Watchdog	Yes
Instant Live View/Playback	Yes
System	
Automatic Device Scanning	Yes
Automatic Device Model Detection	Yes
Log Tool	Yes
License Management	Yes
PTZ	
Point and click control (by camera)	Yes
Go to Preset Positions	Yes
Digital PTZ	Yes
Support Panorama PTZ (360°)	Yes
Joystick support	Yes
Live View	
Public/Private View	Yes
Max Content Per View	128
Hide Toolbar	Yes
View Tour	Yes
Snapshot	Yes
Instant Playback	Yes
Recording & Backup	
Manual Record	Yes
Always Record	Yes
Schedule Record	Yes
Record on Event	Yes
Recording to Storage Area Networks(SAN: iSCSI)**	Yes
Recording to NAS (iSCSI)**	Yes
Pre-event and Post-event Recording	Yes
Playback	
Max View Items Per View	128
Event list in Recording	Yes
Event Associated Video	Yes
Graphical Timeline	Yes
Adjust Playback Speed	Yes
Motion/Event Search	Yes
Time/Date Search	Yes
Event	
Digital Input	Yes

Edge Motion Detection	Yes
Camera Signal Lost	Yes
Abnormal disk status	Yes
Event Notification	
Camera Recording	Yes
Trigger Digital Output	Yes
Send E-mail	Yes
On Screen Display	Yes
Popup Live Video	Yes
User Privilege	
Restrict Access to Live View	Yes
Restrict Access to Playback	Yes
Restrict Access to PTZ	Yes
Configuration Privilege	Yes
Others	
Supported Language	English, Japanese, Traditional Chinese, Spanish, Deutsch, French, Russian, Portuguese (Brazil),Dutch, Simplified Chinese Korean, Polish, Portuguese (Brazil), Russian, Serbian, Spanish, Swedish

Hardware Specifications	
Number of Drives	8xSATA
Max Storage Per Drive	4TB
RAID Level	RAID 0, 1, 5, 6, 10
I/O Interface	4xUSB 2.0 ; 2xUSB 3.0 1xeSATA (for DAS)
LAN Transmission Speed	2x 10/100/1000 Mbps (RJ45x2)
Voltage	100-240V
Power Consumption	500W *1
Device Dimension (H x W x D)	88 x 430 x 660 mm
Device Weight (Without Drive)	8.8 kg (16.75lbs)
Temperature	Operating: 0°C-40°C
Humidity	Operating: 5%-95%

Remote Client System Minimum Requirement	
OS	Windows XP (32-bit) / Win7 (32 and 64-bit)
CPU	Intel Core 2 Duo, 2.6GHz
RAM	4GB
LAN Transmission Speed	10/100/1000 Mbps (RJ45)
Web Client	Internet Explorer 9 and later, Firefox 4.0-9.0, Chrome (Windows version)
Mobile Device	iPhone, iPad, Android

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marketing@everfocus.com.cn

Your EverFocus product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed ofseparately from your household waste.
Please, dispose of this equipment at your local community waste collection/recycling centre.
In the European Union there are separate collection systems for used electrical and electronic product.
Please, help us to conserve the environment we live in!

Ihr EverFocus Produkt wurde entwickelt und hergestellt mit qualitativ hochwertigen Materialien und Komponenten, die recycelt und wieder verwendet werden können.
Dieses Symbol bedeutet, dass elektrische und elektronische Geräte am Ende ihrer Nutzungsdauer vom Hausmüll getrennt entsorgt werden sollen.
Bitte entsorgen Sie dieses Gerät bei Ihrer örtlichen kommunalen Sammelstelle oder im Recycling Centre.
Helfen Sie uns bitte, die Umwelt zu erhalten, in der wir leben

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