

# Uniden®



## Network Digital Video Recorder

**UNVR85-4   UNVR85-8  
UNVR165-8**

## **User Guide**

Please read this guide thoroughly before operation and retain it for future reference.

## **CUSTOMER CARE**

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase. Visit [www.uniden.com](http://www.uniden.com) for assistance.

*Note: Save your receipt/proof of purchase for warranty.*

Quickly find answers to your questions by:

1. Reading this owner's manual.
2. Visiting our customer support website at [www.uniden.com](http://www.uniden.com).

*Note: Images in this manual may differ slightly from your actual product.*

Uniden surveillance products are not manufactured and/or sold with the intent to be used for illegal purposes. Uniden expects consumer's use of these products to be in compliance with all local, state and federal law. For further information on video surveillance and audio recording legal requirements, please consult your local, state and federal law.

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## Important Safeguards



### WARNING

**RISK OF ELECTRICAL SHOCK  
DO NOT OPEN**



**WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the device.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the device’s casing that may be of sufficient magnitude to constitute a risk of electric shock.

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**

**CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BASE OF THE PLUG TO THE WIDE SLOT AND FULLY INSERT.**

## IMPORTANT SAFEGUARDS

This section provides precautions and safety measures to ensure you are using the DVR properly. Please read all information, and refer back to it if needed.

### GENERAL PRECAUTIONS

1. Follow all instructions and warnings in this manual.
2. Unplug the device from the power source before cleaning it. Do not use liquid aerosol detergents; use a water-dampened cloth for cleaning.
3. Do not use this device in humid or wet places.
4. Keep enough space around the device for ventilation. Slots and openings on the device should not be blocked.
5. It is highly recommended to connect the device to a surge protector to protect from damage caused by electrical surges. It is also recommended to connect the device (or surge protector) to an uninterruptible power supply (UPS), which has an internal battery to keep the device running in case of a power outage.

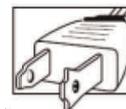
#### CAUTION

Maintain electrical safety. Non battery powered equipment or accessories connected to this device should bear the UL listing mark or CSA certification mark on the accessory itself and should not be modified so as to cancel out the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

### INSTALLATION PRECAUTIONS

1. **Read and Follow Instructions** - Read all safety and operating instructions before setting up and using the device. Follow all operating instructions.
2. **Retain Instructions** - Keep these safety and operating instructions for future reference.
3. **Heed Warnings** - Follow all warnings on the device and in the operating instructions.
4. **Polarization** - Polarized plugs and grounding plugs have different style blades. Be sure you are plugging the correct plug into the appropriate outlet. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician to replace the outlet.

- A polarized plug has two blades with one wider than the other.



- A grounding plug has two blades and a third grounding prong.



5. **Power Sources** - This device should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your location, consult your local power company.

6. **Overloading** - Do not overload wall outlets or extension cords as this increases the risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and, if its appearance indicates damage or deteriorated insulation, have it replaced.
7. **Power-Cord Protection** - Route power supply cords so that they are not likely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs and the point where they exit from the device.
8. **Surge Protectors** - It is highly recommended that the device be connected to a surge protector. Doing so will protect the device from damage caused by power surges. Surge protectors should bear the UL listing mark or CSA certification mark.
9. **Uninterruptible Power Supplies (UPS)** - Because this device is designed for continuous, 24/7 operation, it is recommended that you connect it to an uninterruptible power supply. An uninterruptible power supply has an internal battery that will keep it running in the event of a power outage. Uninterruptible power supplies should bear the UL listing mark or CSA certification mark.
10. **Ventilation** - Slots and openings in the case provide ventilation for reliable device operation and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the device on a bed, sofa, rug, or other similar surface. Do not place it in a built-in installation such as a bookcase or rack unless proper ventilation is provided and all of these instructions and cautions have been followed.
11. **Attachments** - Only use Uniden or Uniden recommended attachments.
12. **Water and Moisture** - Do not use this device near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, etc.
13. **Heat** - The device should be situated away from heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
14. **Placement** - Ensure that any cart, stand, tripod, or table holding the device is stable; otherwise, the device may fall, causing serious damage to the device. Use this device only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the device. Any mounting of the device should follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer.
15. **Camera Extension Cables** - Check the rating of your extension cable(s) to verify compliance with your local authority regulations prior to installation.
16. **Mounting** - The cameras provided with this system should be mounted only as instructed in this guide or the instructions that came with your cameras, using the provided mounting hardware.
17. **Camera Installation** - Cameras are not intended for submersion in water. Not all cameras can be installed outdoors. Check your camera environmental rating to confirm if they can be installed outdoors. When installing cameras outdoors, place them in a sheltered area.

## SERVICE

1. **Servicing** - Do not attempt to service this device yourself, as opening or removing covers voids the warranty and may expose you to dangerous voltage or other hazards. Visit our website at [www.uniden.com](http://www.uniden.com) for servicing assistance.
2. **Conditions Requiring Service** - Unplug this device from the wall outlet and contact Uniden customer care specialists under the following conditions:
  - When the power supply cord or plug is damaged.
  - If liquid has been spilled or objects have fallen into the device.
  - If the device has been exposed to rain or water.
  - If the device has been dropped or the case has been damaged.
  - If the device does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may void the warranty, resulting in costly repairs or replacement.
  - When the device exhibits a distinct change in performance.
3. **Replacement Parts** - Use only replacement parts verified by Uniden customer care specialists to have the same safety characteristics as the original parts. Use Uniden-specified replacement parts to prevent fire, electric shock, or other hazards.

## MAINTENANCE

1. **Cleaning** - Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
2. **Object and Liquid Entry** - Never push objects of any kind into this device through openings as they may touch dangerous voltage points or “short-out” parts that could cause a fire or electric shock. Never spill liquid of any kind on the device.
3. **Lightning** - For added protection during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect cables and other cords. This will prevent damage due to lightning and power line surges.

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# PACKAGE CONTENTS

## RECEIVER PACKAGE



**6 ft Ethernet Cable**



**6 ft HDMI Cable**



**NVR Receiver**



**12V Power Supply**



**USB Mouse**

**Receiver Package Contents**

## CAMERA PACKAGE



**Outdoor Cameras (4 or 8)**



**100ft. Cat5E Cable (4 or 8)**



**Camera Mounting Kit**

Not Shown:

Hex Wrench  
Quick Start Guide  
InstallerNet Insert

**Camera Package Components**

# FEATURES

## PRODUCT OVERVIEW

The UNVR Receiver provides a high-performance security network using a standard H.264 video compressed format. The UNVR can be used as a stand alone device or online as a part of a video surveillance network. With its professional network video surveillance software, the UNVR supports:

- High definition 1080p recording.
- Real-time recording at 30fps per channel.
- 24/7 security-grade hard drive.
- Continuous, scheduled, and motion recording.
- H.264 video compression.
- HDMI cable included for simple connection to HD TVs.
- PTZ cameras supported, remotely controlled through a mobile App.
- Accurate time stamps with NTP & daylight savings time.
- Digital zoom in live view and playback.
- 2 video outputs (HDMI & VGA) to connect multiple monitor types.
- Instant USB backup of live video from selected camera.
- Upgradeable firmware.
- 3-Step remote view.
- Supports Internet Explorer, Safari, Chrome, and FireFox.
- Free Uniden ProHD iOS and Android compatible apps with live viewing, playback, video recording, and snapshot capability.
- Instant email alerts with attached snapshots.

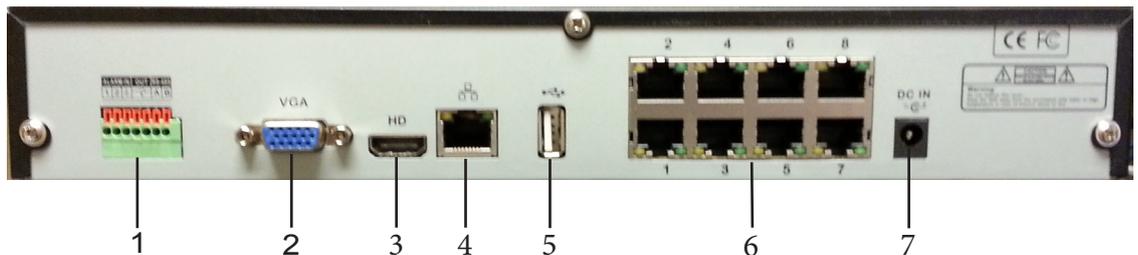
## NVR RECEIVER FRONT PANEL



**NVR Receiver Front Panel**

1	Network connected
2	Power connected
3	Hard Disk Drive indicator
4	Alarm indicator
5	USB port

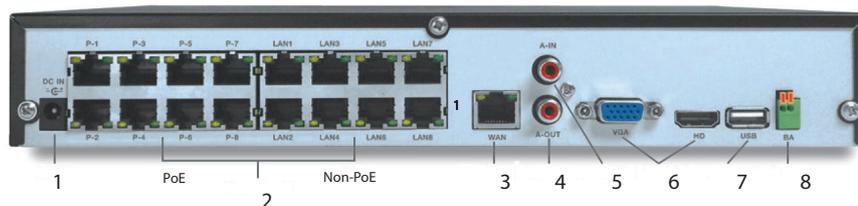
## UNVR85X8 RECEIVER REAR PANEL



**UNVR85x8 Receiver Rear Panel**

1	RS485 and Alarm In/Out Connections: Connect external alarm devices.
2	VGA: Connect a VGA monitor (not included) to view the system interface, and live or recorded playback.
3	HDMI: Connect the included HDMI cable from this port to an HDMI monitor or TV (not included) to view the system interface, and live or recorded playback.
4	WAN: Connect the included CAT5E Ethernet cable to your existing router or network for local and remote connectivity.
5	USB port: Connect the included USB mouse.
6	Camera Input: Connect the Uniden 1080P Wired HD cameras.
7	DC IN: Connect the included AC power adapter.

## UNVR165X16 RECEIVER REAR PANEL



**UNVR165x8 Receiver Rear Panel**

1	DC IN: Connect the included AC power adapter.
2	Camera Input: Connect PoE (Power over Ethernet) and Non-PoE cameras. Non-PoE cameras require a separate AC adapter for power.
3	WAN: Connect the included CAT5E Ethernet cable to your existing router or network for local and remote connectivity.
4	Audio Out
5	Audio In
6	VGA and HDMI: Connect a VGA monitor (not included) or the included HDMI cable from this port o an HDMI monitor or TV (not included) to view the system interface, and live or recorded playback.
7	USB port: Connect the included USB mouse.
9	RS-485 and Alarm IN/OUT Connections: Connect external alarm devices.

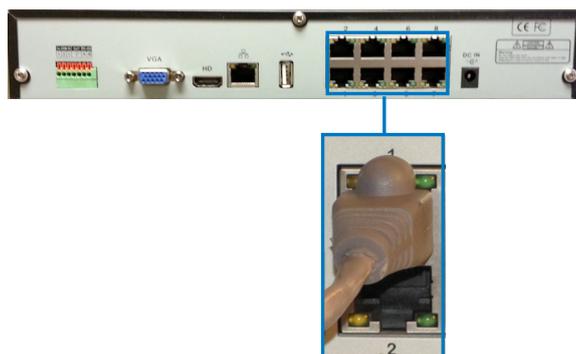
# SET UP

## RECEIVER CONNECTIONS

### Connect the Cameras

Connect the cameras to the video inputs on the NVR's rear panel. Insert the connector fully until you hear a click, indicating the plug is secure.

### 8-Channel UNVR

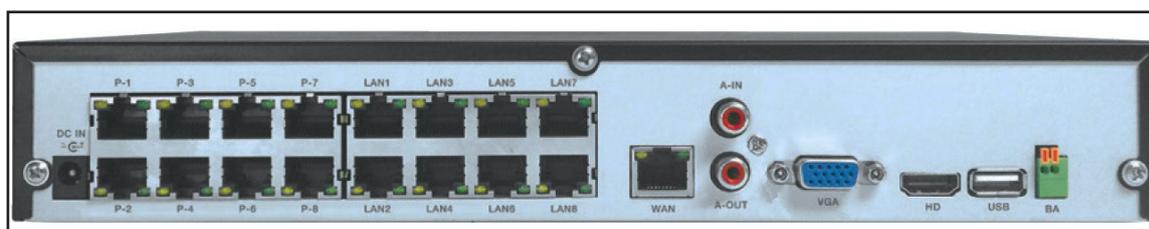


**Connect to PoE Port**

*Note: Although the Uniden NVR system is compatible with other manufacturers' cameras, only the supplied Uniden bullet camera and the optional Uniden dome camera are plug and play. Refer to the manufacturers' camera owner's manuals for installation instructions.*

*Before mounting the cameras in a permanent location, connect all cameras to ensure operation and video quality.*

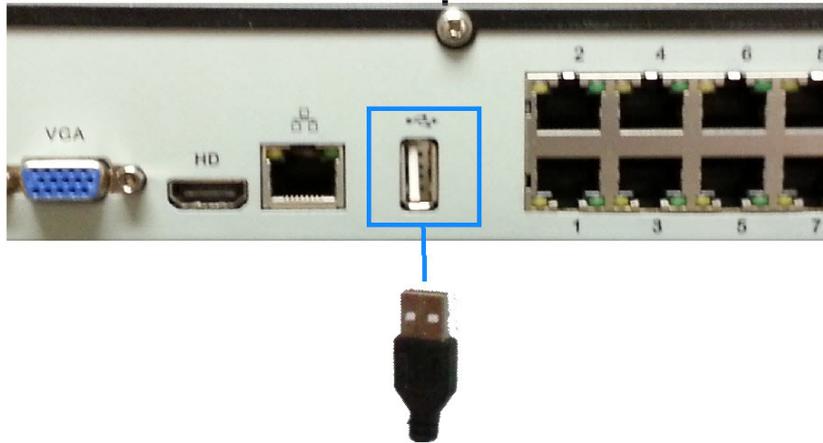
### 16-Channel UNVR



**Connect Cameras to PoE Ports P1 - P8**

## Connect the Mouse

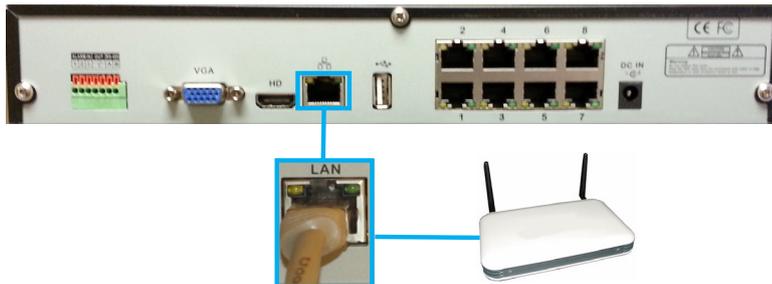
Connect the USB mouse to the USB port on the NVR's rear panel.



Connect the USB mouse

## Connect the Ethernet Cable

1. Connect the Ethernet cable to the LAN port on the NVR's rear panel.
2. Connect the other end of the Ethernet cable to a router on your network.



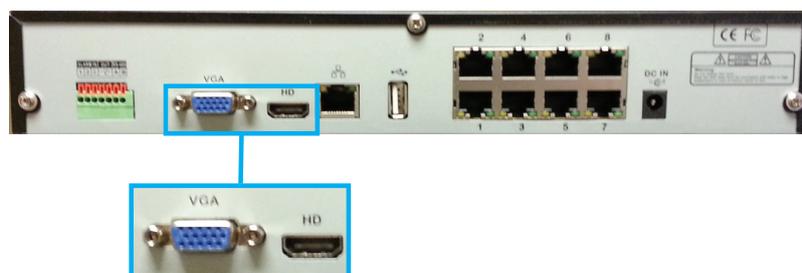
Connect the Ethernet cable

## Connect the Monitor

Connect the HDMI cable from the HDMI port of the NVR's rear panel to the HDMI port on the TV or monitor.

**OR**

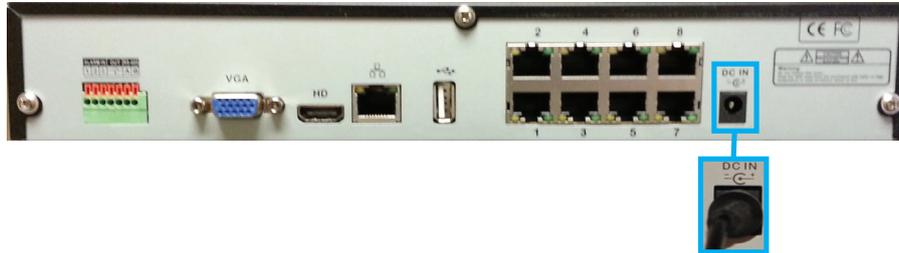
Connect a VGA cable (not included) from the VGA port on the NVR's rear panel to the VGA port on the TV or monitor.



Connect the Monitor with HDMI or VGA

## Connect the Power Adapter and Power ON the NVR

1. Connect the included power adapter to the DC IN port on the NVR's rear panel. Then connect the power adapter to a wall socket or a surge protector.



### Connect Power

2. The UNVR logo appears on the TV screen and a short beep sounds as the system performs a self check. After a few minutes a live view appears as shown from the camera(s) connected.



UNVR Live Camera View

## CONNECTING CAMERAS

*Note: A professional installation option is available. See the InstallerNet insert.*

### Installing Cameras

 CAUTION	Each type of camera requires different installation techniques. For specific installation instructions check the documentation supplied with the camera.
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### *Installation Tips*

- Test the cameras before permanent installation. Make a plan for camera wire routing and for camera angle.
- Mount the camera so the lens is away from direct and intense sunlight.
- Plan to route the wiring so it does not interfere with power lines or telephone lines.
- Ensure that the camera wiring is not exposed or easily cut.
- Mount the camera in an area that is visible, but out of reach.
- Avoid pointing the camera at a glass window to see outside. This may result in a bright white ring in the night vision image, as the light from the night vision LEDs may reflect off the glass.
- Adjust the camera angle so that it covers an area with high traffic.

- In “high-risk” locations, have multiple cameras point in the same area. This provides camera redundancy if a vandal attempts to damage the camera.

## **Installing the Cameras**

*Note: The following installation instructions refer to the cameras included with the UNVR package. If installing another manufacturer’s camera, refer to installation instructions included with that camera.*

1. Mount the camera(s) to the desired surface using the parts in the supplied mounting kit. Choose a firm mounting surface. If mounting in drywall, use the drywall anchors supplied in the kit.
2. Adjust the camera stand to ensure that the camera has a satisfactory view of the area you would like to monitor. Stand configuration depends on the mounting surface you have chosen (see below for suggested stand configurations).

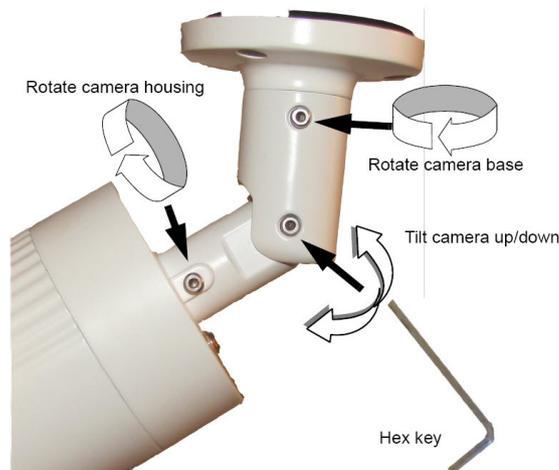


**Camera Mounting Options**

*Note: Camera may not be exactly as shown.*

## **Adjusting the Camera View Angle**

The camera has several adjustment points to provide maximum flexibility when setting the view angle. To make the adjustments, use the hex key included with the Camera Mounting Kit.



**Camera View Angle Adjustments**

## **Connecting Camera Cables**



### **CAUTION**

The extension cable must be a single stretch of cable between the NVR and camera. You cannot connect multiple extension cables to each other.

### **8-Channel NVR**

1. Connect one end of the included CAT5E cable to the camera.
2. Route the cable and connect the other end to one of the Video IN ports on the NVR's rear panel.

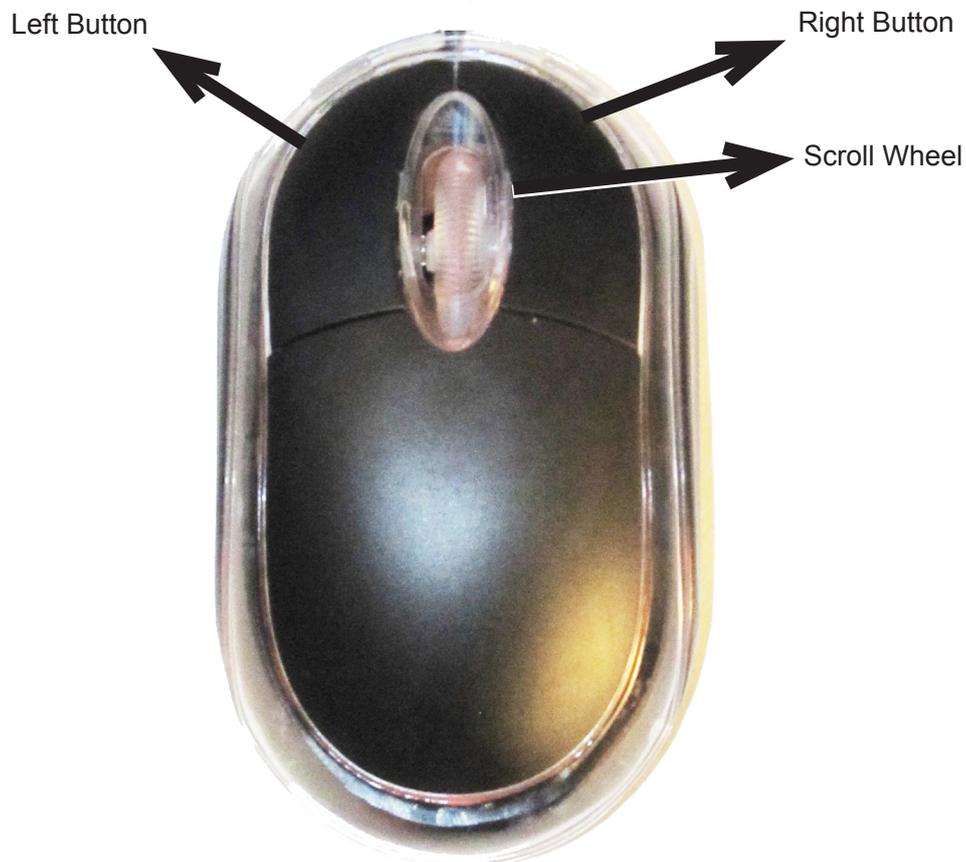
### **16-Channel NVR**

1. Follow Steps 1 and 2 above.
2. Connect each camera's power cable to an AC power outlet.

# MOUSE CONTROL

## MOUSE FEATURES

The mouse is the primary control device for the system.



### Mouse Control

#### LEFT BUTTON

- In live view, click to open the Navigation Bar. Right-click to close it.
- In live view while in a split-screen display mode, double-click an individual channel to view it in full-screen. Double-click again to return to the split-screen display mode.
- While navigating menus, click to open a menu option.

#### RIGHT BUTTON

- In live view, right-click anywhere on the screen to open the Main Menu.
- Within system menus, right-click to exit menus.

#### SCROLL WHEEL

- When viewing an image in live view, use the scroll wheel to zoom in or out.

# BASIC OPERATION

## START UP THE UNVR SYSTEM

1. Plug in the power supply. The power indicator lights up, the system emits a single beep, and the preview screen displays.
2. The UNVR's normal start-up mode is multi-screen.

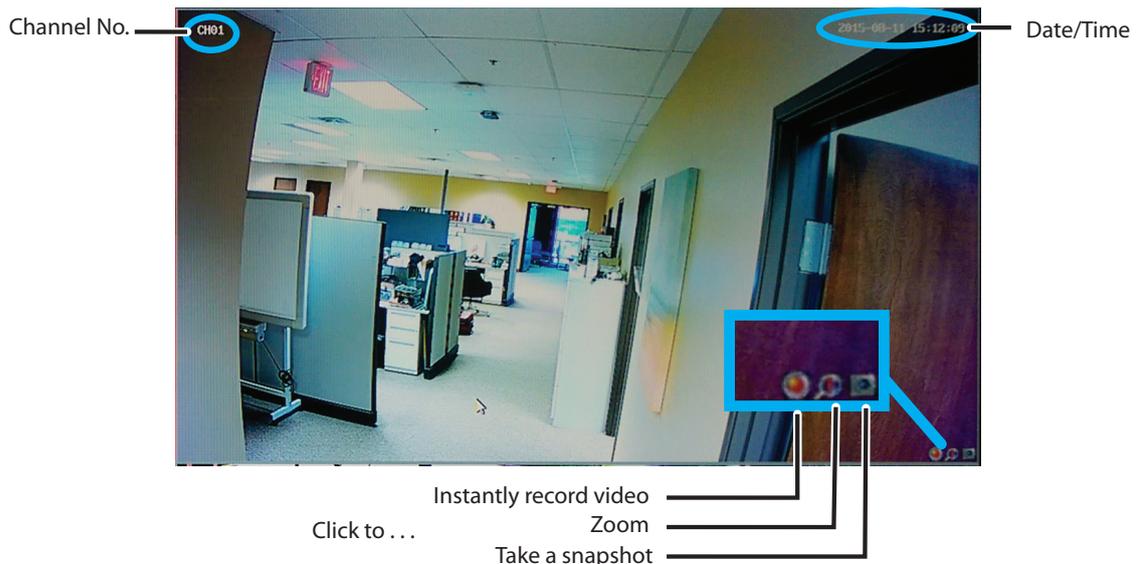


### UNVR Multi-Screen

- The UNVR system displays live views of any cameras connected.
- The main camera is highlighted. Click on another screen to set it as the main camera.
- Local time and date are set automatically through the network connection.

## On-Screen Display

The UNVR system shows the following for all live views.



## Screen Displays

## Main Menu

The Main Menu allows access to the UNVR's key functions. Using the mouse, right click the screen during a live view to display the Main Menu.



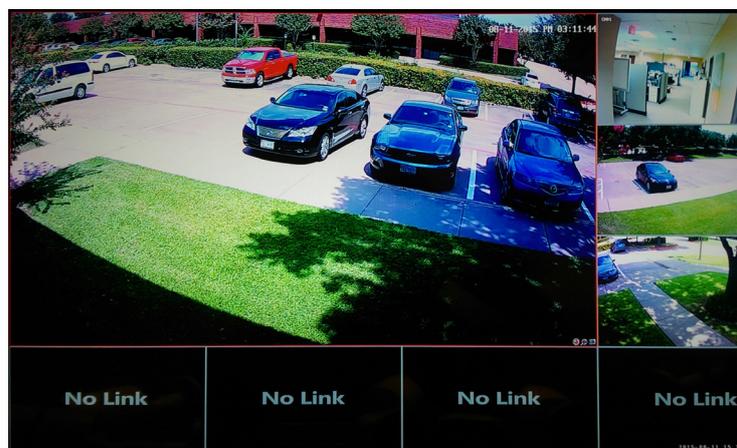
### Main Menu

The following features are available without having to log in.

- **4:3** - Changes the live view screen aspect ratio from 16 X 9 to 4 X 3.
- The **4 Screen**, **6 Screen**, **8 Screen** and **9 Screen** menu items allow for displaying 4, 6, 8, or 9 live view screens at the same time. Click the desired screen configuration.
- When in Quad view (4 screen), Series 1 and 2 change from viewing Cameras 1 - 4 to viewing Cameras 5 - 8.

## Working With Multiple Live View Screens

This is a typical view of the 8 Screen format.



### 8-Screen Format

To display a channel view in the larger screen, drag and drop any channel live view into the larger screen.

During a live view with multiple screens displayed, double click any channel to view it in full screen.



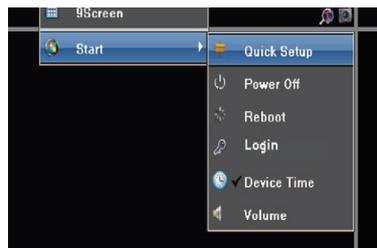
**Full Screen**

### ***Log into the System***

You must log into the system to access all features of the UNVR.

1. Hover the cursor over **Start**.

A sub menu displays:



### **Access Login Screen**

2. Click **Login**.

The **Login** screen displays:



### **Login Screen**

3. Enter the default user name (admin), leave the password field blank, and click **Login**.

## Change Password

*Note: It is strongly recommended that you add a password to your system.*

1. Right click the screen to display the Main Menu, then left click **Start/Setting**.

2. Click **Account**.



User Name	Priority	IP combine	MAC combine
admin	Administrator		00:00:00:00:00:00
default	Guest		00:00:00:00:00:00

3. Click the **admin** field.
4. Click **Modify User** in the lower right corner. Use the on-screen keypad to enter and confirm a password. Click **OK**.



## SET THE DEVICE TIME

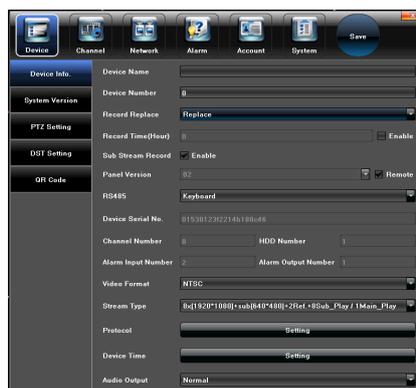
After logging in, access the *Settings* menu to set the UNVR system date and time.

1. Use the mouse and right-click anywhere on the screen. The **Main Menu** screen displays.



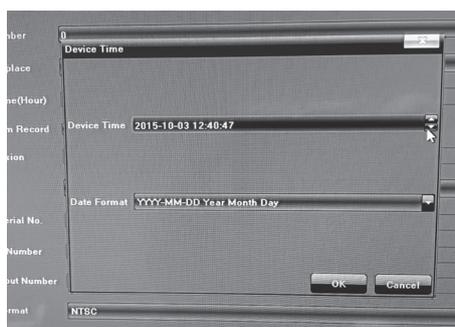
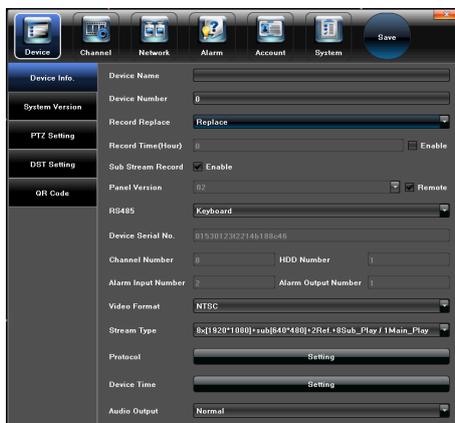
### Main Menu Screen

2. Click **Setting**. **Setting Menu** displays:



## Setting Screen

3. Scroll to near the bottom of the screen to **Device Time** and click **Setting**. The **Device Time** screen displays.



## Accessing Device Time

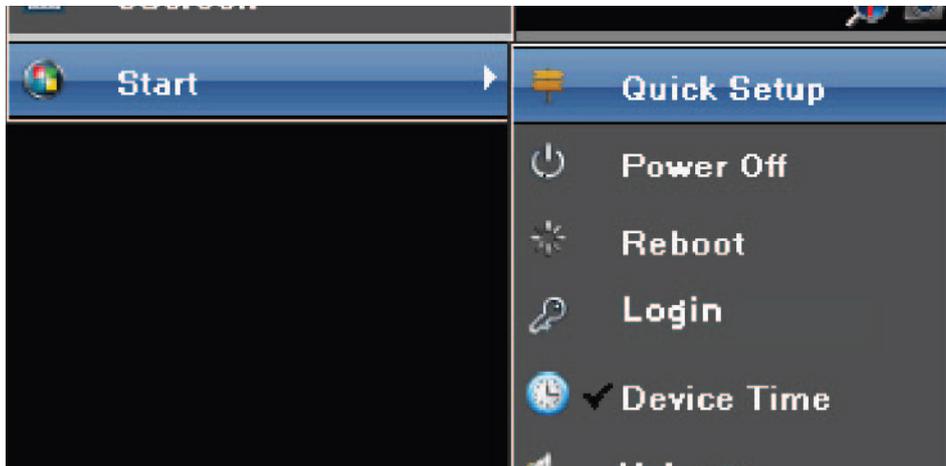
4. To the date and time for your location, click the field and then click the up or down arrows. Click **OK** when complete.

# ADVANCED OPERATION

## LOG INTO THE SYSTEM

To access the Advanced Settings in the Main Menu, log into the system.

1. Hover the cursor over **Start**. A sub menu displays:



### Access Login Screen

2. Click **Login**. The **Login** screen displays:



### Login Screen

3. Enter "admin" as the default user name and click **Login**.

*Note:* Change the user name and password to something easily remembered, and be sure to keep a record of the user name and password.

## ADVANCED SETTINGS IN MAIN MENU

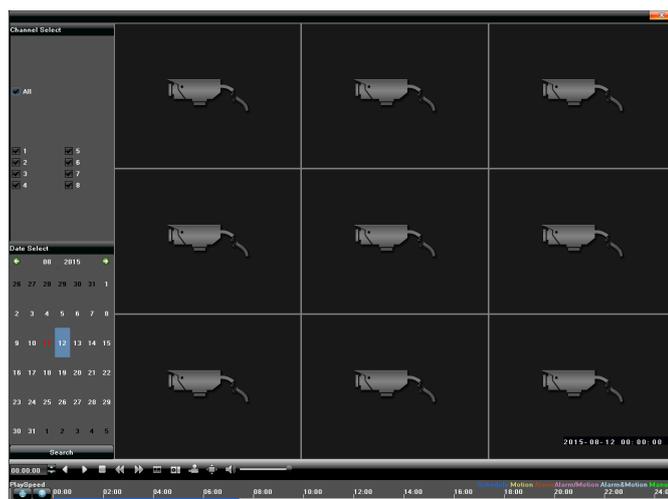
Right-click to access Main Menu



<b>Playback</b> - Play video files stored on the hard disk
<b>Backup</b> - Backup video and capture files to an external storage device
<b>PTZ</b> - Set controls for a camera designed to Pan-Tilt-Zoom
<b>Capture</b> - Saves a photo of the image displayed on the screen
<b>ALARM</b> - Set alarms for motion detection, video loss, tampering, and other functions
<b>File Manager</b> - Organizes saved video and captured files.
<b>Setting</b> - Configure Device, Channel, Network, Alarm, and System parameters
<b>Record</b> - Set up recording for individual or all channels.
<b>Display Setting</b> - Set parameters for Text Language, Auto Logout, Image Display, Image Resolution, Camera Display Sequence
<b>Image Setting</b> - Set brightness, contrast, saturation, and hue for individual channels
<b>IP Channel Setting</b> - Configure network for the system

## Playback

The **Playback** screen replays recorded video from each individual channel.



### Playback Menu

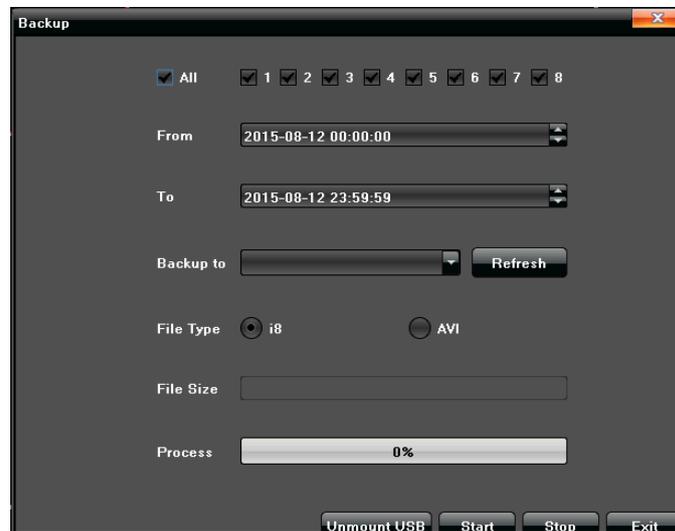
- **Pause:** Pause the current playback.
- **Stop:** Stop the current playback.
- **Slow:** Slow down the playback speed (1/2, 1/4, 1/8, 1/16 times available).

- Fast: Speed up the playback process(2, 4,8, 16 times available).
- Snapshot: Take a screen capture of any playback channel.
- Frame play: Play recording one frame at a time.
- Backup: Make a backup video for any channel.
- Full screen: Video image playback on full screen.
- Volume: Adjust the volume of playback audio.
- Double-click channel bar or click “Play” button to play the video.
- Double-click any single channel screen to get full screen display.

## Backup

Store the backup video files from the hard disk to an external storage device such as a USB drive.

1. Access the **Backup** screen.



### Backup Menu

2. Insert a USB drive in the USB port on the NVR's front panel.



### USB Port

3. Click **Refresh**. The name of the USB backup device displays in the **Back to** field.
4. Select a single channel or all channels for backup.
5. Use the **From** and **To** fields to select a start and stop time for the backup.
6. Click **Start** to begin the backup. The backup proceeds automatically. Click **Stop** to stop the backup at any time.

## PTZ (Pan-Tilt-Zoom)

*Note: This function requires a camera with PTZ capability (not included).*

Set the controls for a camera equipped with Pan-Tilt-Zoom capability. Refer to the PTZ camera manufacturer's instructions for details on setting the camera's parameters.



**PTZ Camera Parameters Menu**

### **Presets**

The UNVR system can move a PTZ camera to a specific angle/point of view and then save that setting as a “preset” (preset 1, preset 2, etc).

1. Use the PTZ directional buttons to rotate the camera to an appropriate angle.
2. Select a preset number in the drop-down list, and click .
3. To recall a preset, select the desired preset in the drop-down list, then click .

### **Cruise**

“Cruise” refers to the camera's rotation speed.

1. On the “Cruise” interface, set preset, residence time (amount of time camera pauses at preset points), and cruise speed; click **Add** to confirm the settings. Click **Delete** to clear the preset.
2. To recall a cruise setting, select the desired cruise number in the drop-down list, then click .

### **Track**

This feature allows a PTZ camera to automatically detect, follow, and record video of moving persons or objects.

1. Select a track number in the drop-down list.

2. Click **Track Start** to set the PTZ camera operation, then click **Track Stop** to set the track in memory.
3. To recall a track setting, select the track number in the drop down list and click .

## Capture

Capture allows you to take snapshots from live view.

1. Right click the screen to display the Main Menu.
2. Select **Capture**, then click the  icon in the lower right corner of the desired live view screen.
3. Click **File Manager** in the Main Menu.
4. In the **File Manager** screen, click **Refresh** to verify that the snapshot just taken is listed.
5. Double click the file name in the left portion of the screen to display the snapshot.

### File Manager Screen

## Alarm

The UNVR system keeps a record of any alarms received. Use the alarm parameters to tailor the alarms for different situations:

- Motion detection
- Video loss
- Tampering

To see a list of alarms received, right click the screen to display the Main Menu, then click **Alarm**.



	From	To	Event Type	Channel
1	2015-07-30	2015-08-12	HDD Full	1

### Alarms List

## File Manager

File manager lists all video and capture files stored on the hard disk drive as well as any video or capture files stored on an attached external storage device such as a USB drive.



**File Manager Screen**

1. In the **File Manager** screen, click **Refresh** to ensure the latest files display.
2. Double click the file name in the left portion of the screen to display the captured image or file.

## **Setting**

### **Main Menu - Setting**

The **Setting** screen specifies parameters for several major functions in the UNVR system.

- Device (or Cameras)
- Channel
- Network
- Alarm
- Account
- System

## Device

### Setting Screen

*Note: Set the correct date and time to ensure correct time stamping of recorded video.*

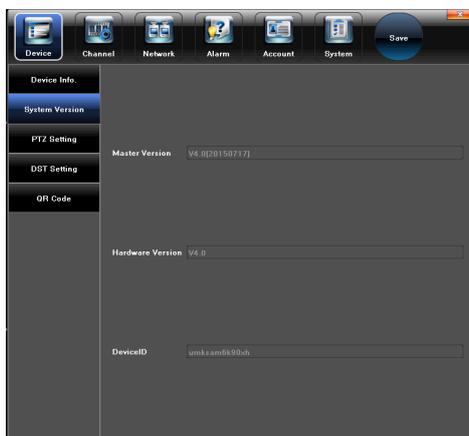
#### Device Info

Set parameters or get information for the following:

- Device Name - Specify a name for the NVR.
- Device Number - Assign a number to the device.
- Record Replace - Enable record overwrite.
- Record Time (Hour) - Set the time for a recording.
- Sub Stream Record - Enable recording of both high and low resolution video.
- Panel Version - NA
- RS485 - Choose between keyboard, PTZ, or 485 PelcoD.
- Device Serial No. - Shows the serial number assigned to the NVR.
- Channel Number - Device channel capacity (8 or 16).
- HDD Number - The number assigned to the hard disk drive.
- Alarm Input Number - Number slot where the input from an alarm device connects to the NVR rear panel.
- Alarm Output Number - Number lot where the output for an alarm device connects to the NVR rear panel.
- Video Format - Choose between NTSC or PAL.
- Stream Type - Choose the resolution of the video stream.
- Protocol - Choose between 18, 18S, 18S Plug and Play, Onvif.
- Device Time - Set the NVR time and date.
- Audio Output - Choose between Normal or HDMI.

## System Version

This tab shows specific system information.



### System Version Screen

- Master Version - Software version assigned to the NVR.
- Hardware Version - The hardware version of the NVR.
- Device ID - Specific ID number assigned to the NVR

## PTZ Setting

Set parameters for a Pan-Tilt-Zoom (PTZ) camera.



### PTZ Setting Screen

- CH - The channel number where a PTZ camera connects

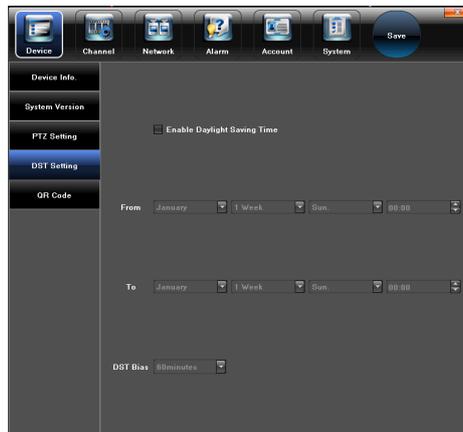
Obtain the following information from the PTZ camera:

- Protocol
- Data Bits
- PTZ Address
- Bits per Second
- Flow Control
- Stop Bits
- Parity

## DST Setting

This screen sets Daylight Savings Time for the UNVR system.

1. Click the **Enable Daylight Saving Time** box to activate the DST settings.
2. Set Daylight Saving time to begin on the first Sunday in March and to end on the first Sunday in November.



Daylight Savings Time (DST) Screen

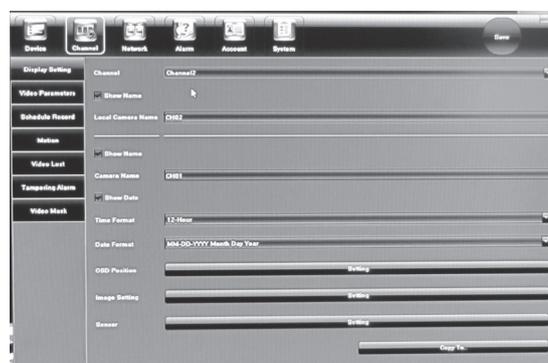
## QR Code

This screen shows a Quick Response (QR) code that contains the Device ID generated by the NVR.



QR Code Screen

## Channel



Channel Screen

The term “Channel” refers to each monitoring camera attached to the UNVR system. The **Channel** screen allows for setting parameters to control several features for each channel.

### **Display Setting**

Sets parameters for each camera’s screen display.



### **Display Setting Screen**

- CH - Choose the channel where the camera is connected.
- Show Name - Choose to show or hide the Local Camera Name.
- Local Camera Name - Assign a name to specified camera.
- Show Date - Show or hide the current timed and date for the selected camera.
- Time Format - Choose 24-hour or 12-hour time display.
- OSD Position - Sets the place on the screen where the camera video displays.
- Image Setting - Adjust the brightness, contrast, saturation and hue of the camera image.
- Sensor - Sets specifics for the camera sensor such as Day-Night IR settings, Exposure and Iris.
- Copy To - Allows copying all the display settings to other camera channels.

### **Video Parameters**

This screen modifies video parameters for each camera.



### **Video Parameters Screen**

- Channel - Select the channel number to change parameters for each channel.
- Encoding Type - Choose from Main stream/ Sub stream/ Main stream (Event).
- Stream type - Video or Audio/Video optional.

*Note: The included cameras do not support audio.*

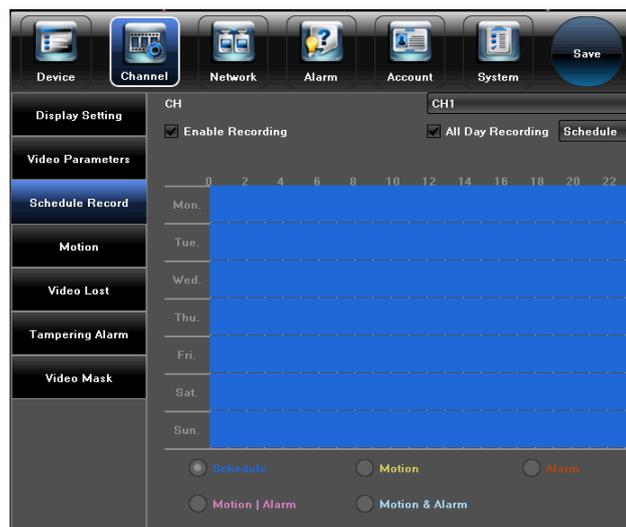
- Resolution - Settings for IPC supported resolution.
- Bit rate Type - CBR/VBR optional.
- Bit rate - Select the appropriate bit rate.
- Frame Rate - Choose frame rates from the drop-down list (Default = Full).

*Note: Higher resolution, bit rate, and frame rate increase the size of recorded video files.*

- Video quality - Choose the video quality level (Default = Highest).
- Frame interval - Set the video frame interval (Default = 25).
- Copy To - Allows copying the settings to other camera channels.

### **Schedule Record**

Set recording parameters for each channel. Use the Copy To feature to transfer the settings to other channels.



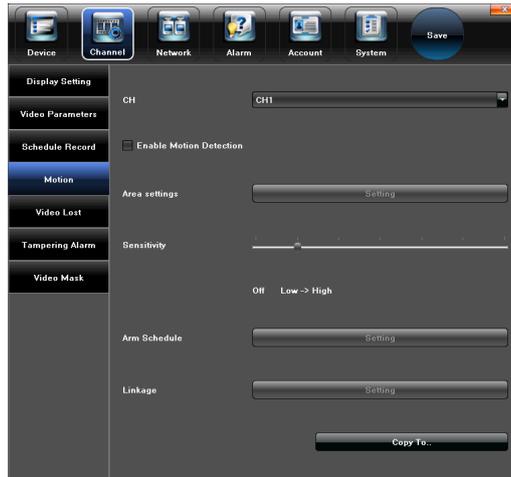
**Schedule Recording Setting Screen**

### **Set Scheduled Recording Times**

You can set the system to record based on a schedule or you can manually turn recording on and off. By default, the system is set to an “always on” recording schedule.

### **Motion**

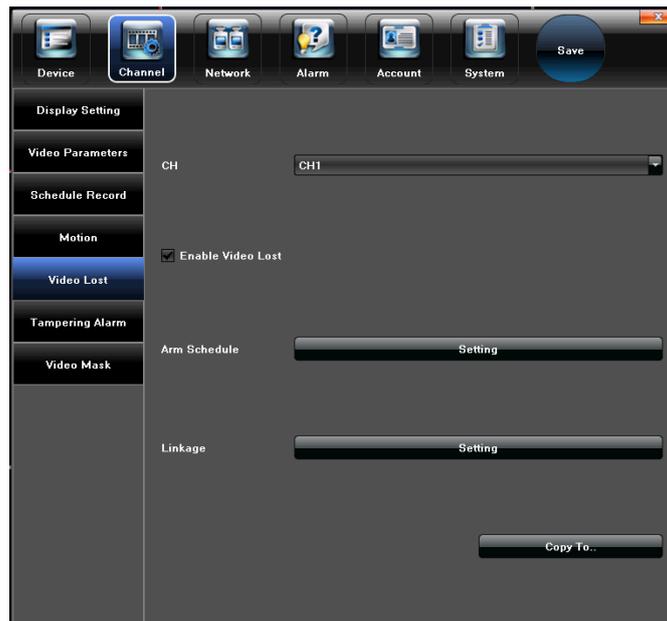
Set parameters on each channel for detecting motion. Use the Copy To feature to transfer the settings to other channels.



**Motion Detection Setting Screen**

***Video Lost***

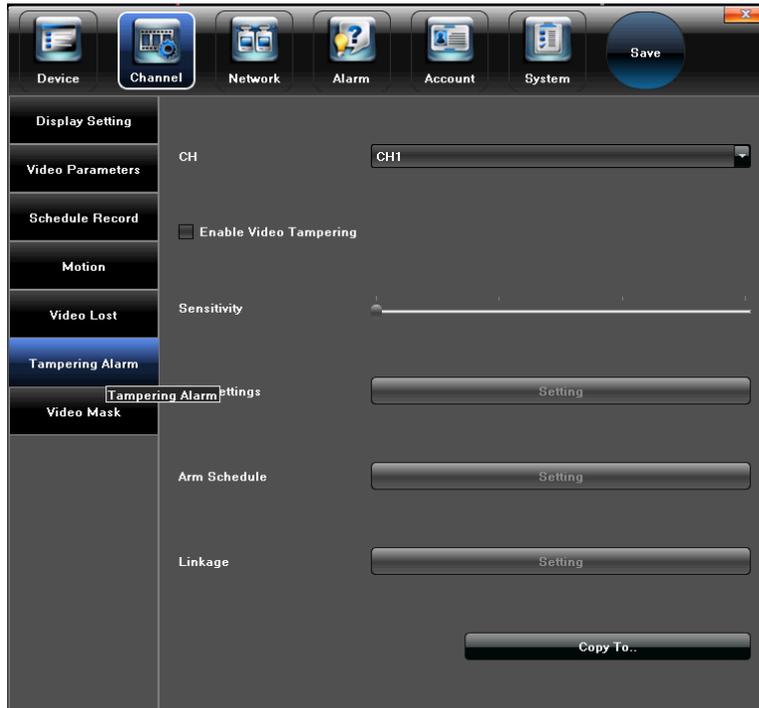
Set up an alarm notification in case a camera loses video. Use the Copy To feature to transfer the settings to other channels.



**Video Lost Screen**

***Tampering Alarm***

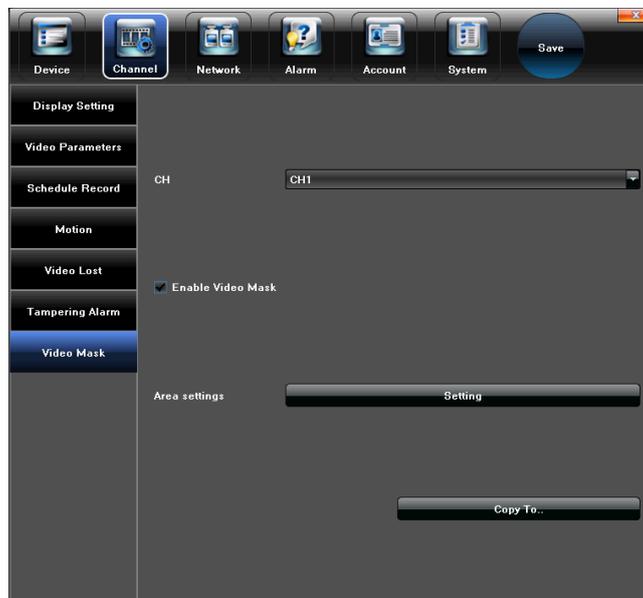
This screen sets parameters for triggering an alarm caused by tampering with a camera.



**Tampering Alarm Screen**

***Video Mask***

Use Video Mask to block off a portion of the camera's video.



**Video Mask Screen**

## Network

The **Network Setting** screen allows for setting parameters of a network interface.

*Note: Except for Email settings, do not change the default network settings because changing the settings may result in loss of remote or local access.*



The screenshot shows the 'Network Setting' screen with the following fields and values:

Field	Value
NIC	1
IP	192.168.1.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
First DNS	192.168.1.1
Second DNS	
MAC	00:21:4b:18:8c:46
Default Route	NIC1
Remote Port	5050
HTTP Port	80
RTMP Port	1935

**Network Screen**

## Network Settings

These settings do not require changes. The Uniden NVR system supports a P2P connection directly to the Uniden P2P Cloud Server for remote access to your system via an iPhone, iPad, and Android device using the Uniden ProHD app.



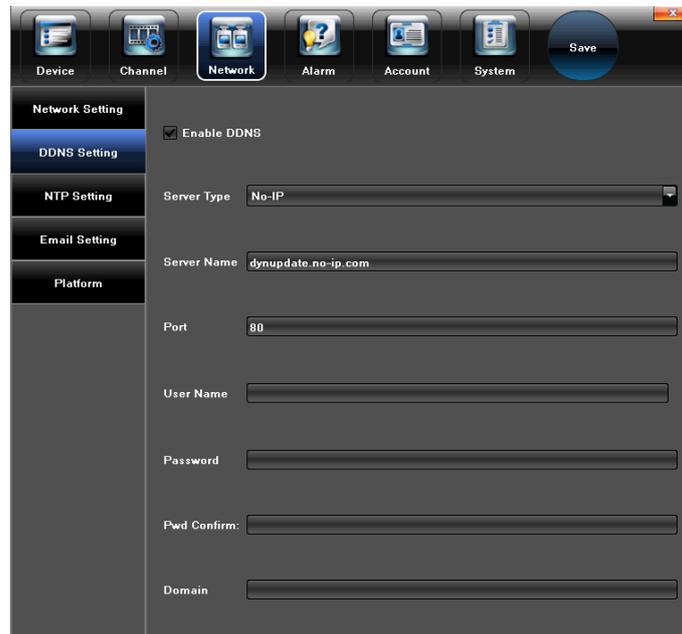
The screenshot shows the 'Network Settings' screen with the following fields and values:

Field	Value
NIC	1
IP	192.168.1.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
First DNS	192.168.1.1
Second DNS	
MAC	00:21:4b:18:8c:46
Default Route	NIC1
Remote Port	5050
HTTP Port	80
RTMP Port	1935
RTSP Port	554
RTSP Http Port	8002

**Network Settings Screen**

## DDNS Server Settings

The DDNS server allows for a connection to the Internet a PC with a fixed IP address.



The screenshot shows a web interface for configuring DDNS settings. At the top, there is a navigation bar with icons for Device, Channel, Network, Alarm, Account, System, and a Save button. Below the navigation bar is a sidebar menu with options: Network Setting, DDNS Setting (highlighted), NTP Setting, Email Setting, and Platform. The main content area is titled 'Network Setting' and contains the following fields:

- Enable DDNS
- Server Type: No-IP (dropdown menu)
- Server Name: dynupdate.no-ip.com (text input)
- Port: 80 (text input)
- User Name: (text input)
- Password: (text input)
- Pwd Confirm: (text input)
- Domain: (text input)

**DDNS Settings Screen**

## NTP settings



The screenshot shows a web interface for configuring NTP settings. At the top, there is a navigation bar with icons for Device, Channel, Network, Alarm, Account, System, and a Save button. Below the navigation bar is a sidebar menu with options: Network Setting, DDNS Setting (highlighted), NTP Setting, Email Setting, and Platform. The main content area is titled 'Network Setting' and contains the following fields:

- Enable DDNS
- Server Type: No-IP (dropdown menu)
- Server Name: dynupdate.no-ip.com (text input)
- Port: 80 (text input)
- User Name: (text input)
- Password: (text input)
- Pwd Confirm: (text input)

**NTP Settings Screen**

## Email Setting

Set up parameters so the NVR can send status messages for motion detection or other events through email.



DDNS Setting Screen

## Management Platform

Set parameters management protocol such as iCloud or WebServer.



Management Platform Screen

## Alarm

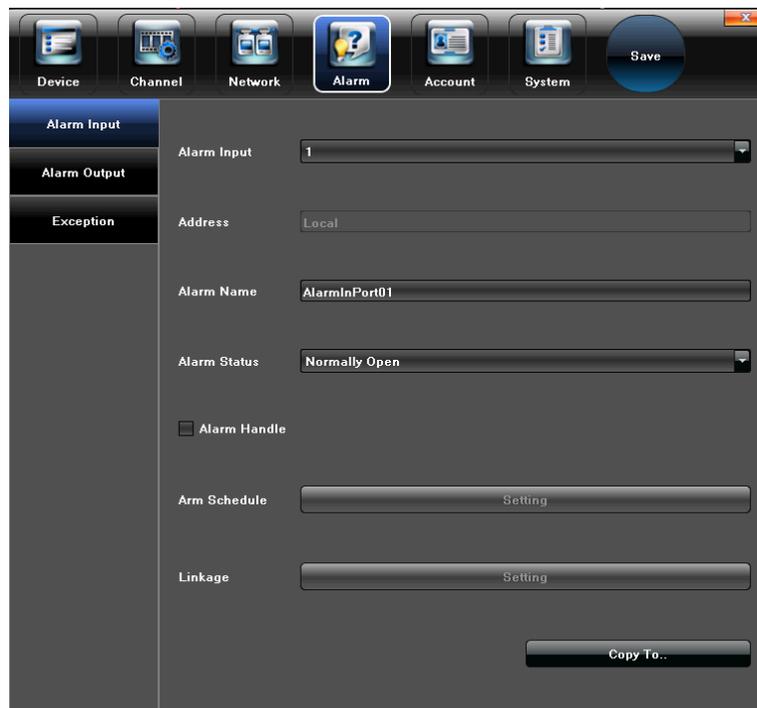
The **Alarm** screen allows configuring alarms for the UNVR system. The NVR alerts you by popping up live video and playing sound alerts for events such as motion detection, video loss, or hard disk drive problems.



**Alarm Screen**

## Alarm Input

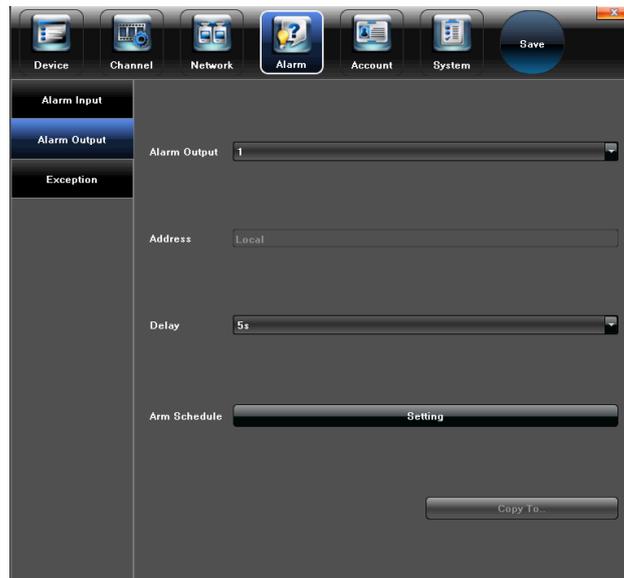
Enables alarm processing, sets the alarm schedule, and selects the trigger mode.



**Alarm Input Screen**

## Alarm Output

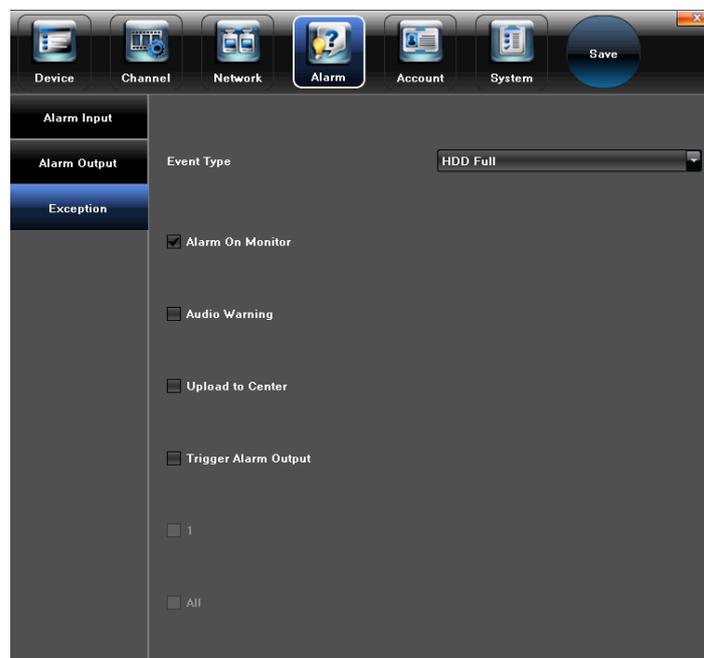
Sets the alarm output delay and alarm schedule.



**Alarm Output Screen**

## Exception

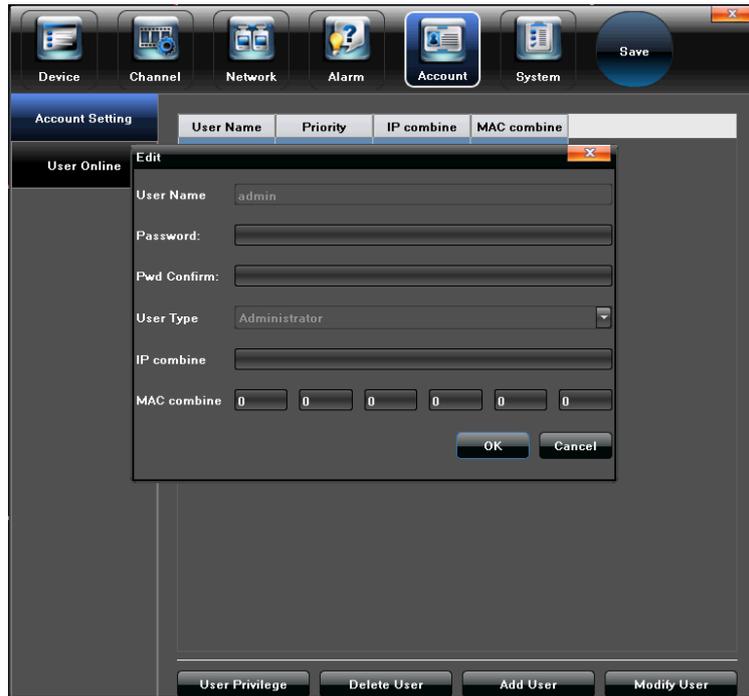
Sets parameters for alarm event types and alarm displays on the monitor. Allows you to choose an audio alarm type.



**Alarm Exception Screen**

## Account

Enter details of the user account in this screen.



The screenshot shows a software interface with a top navigation bar containing icons for Device, Channel, Network, Alarm, Account, and System, along with a Save button. Below the navigation bar, the 'Account Setting' section is active, displaying a table with columns for User Name, Priority, IP combine, and MAC combine. An 'Edit' dialog box is open, allowing the user to modify the details of a selected user. The dialog box contains the following fields:

- User Name: admin
- Password: [Empty field]
- Pwd Confirm: [Empty field]
- User Type: Administrator (dropdown menu)
- IP combine: [Empty field]
- MAC combine: 0 0 0 0 0 0 (six individual input boxes)

Buttons for 'OK' and 'Cancel' are located at the bottom of the dialog box. At the bottom of the main interface, there are buttons for 'User Privilege', 'Delete User', 'Add User', and 'Modify User'.

**Account Screen**

## Account Setting

Enter user name, password, and specify user type.



The screenshot shows the 'Account Setting' screen. The top navigation bar is the same as in the previous image. The 'Account Setting' section is active, displaying a table with the following data:

User Name	Priority	IP combine	MAC combine
admin	Administrator		00:00:00:00:...
default	Guest		00:00:00:00:...

Buttons for 'User Privilege', 'Delete User', 'Add User', and 'Modify User' are located at the bottom of the screen.

**Account Setting Screen**

## User Online

Check the status of an online user's connection.

	User Name	Login Type	Login Time	IP
1	admin	Local	2015-07-30 _	

User Online Screen

## System

The **System** screen allows for setting up system parameters as needed.

## Device Log

Check the device logs according to the video type and date time.

Time	MainType	Sub Type	CH	User
------	----------	----------	----	------

System Screen - Device Log

### Stream Info.

View the band width of data streaming for each channel.



The screenshot shows the 'System' menu selected in the top navigation bar. The 'Stream Info.' option is highlighted in the left sidebar. The main area displays a table with the following data:

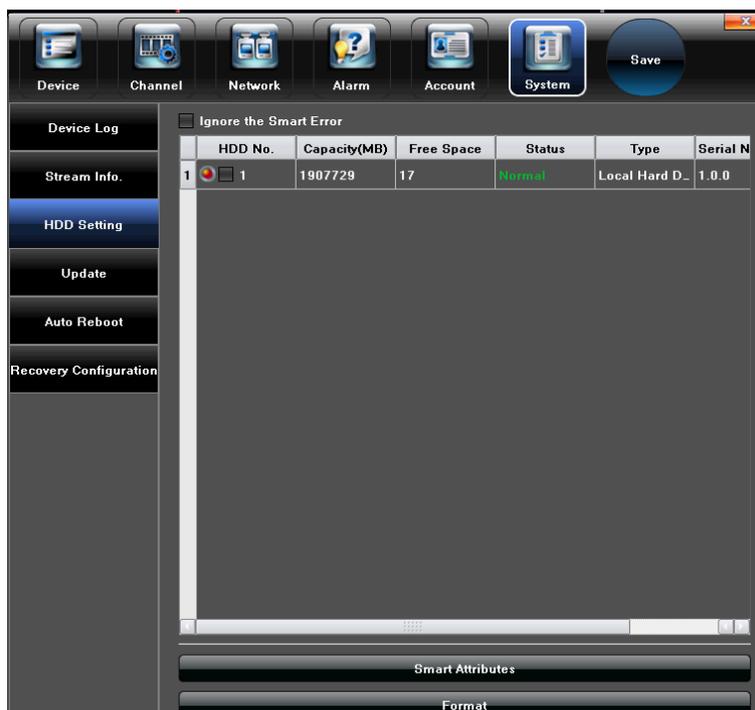
CH	Main Stream	Sub Stream	Main Stream	Sub Stream
1	3625(kb/s)	523(kb/s)	1593(MB/H)	229(MB/H)
2	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
3	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
4	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
5	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
6	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
7	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
8	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)

A 'Refresh' button is located at the bottom right of the table area.

System Screen - Stream Info.

### HDD Setting

Check the capacity and free space of the HDD (hard Disk Drive), and format the HDD if needed.



The screenshot shows the 'System' menu selected in the top navigation bar. The 'HDD Setting' option is highlighted in the left sidebar. The main area displays a table with the following data:

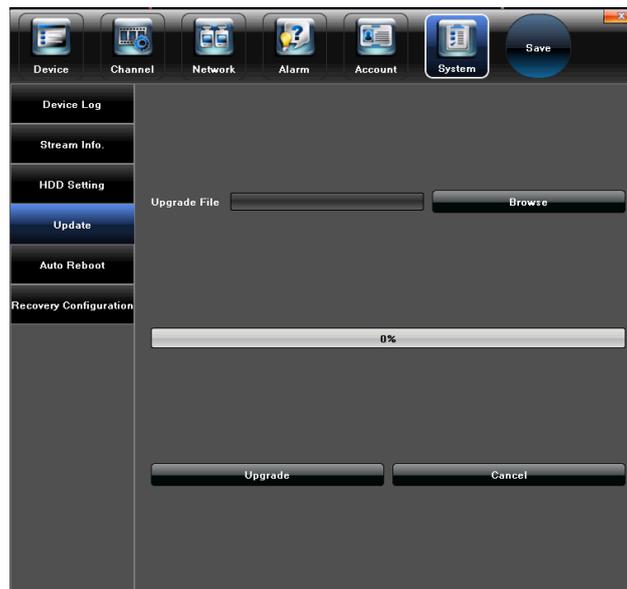
<input type="checkbox"/> Ignore the Smart Error						
HDD No.	Capacity(MB)	Free Space	Status	Type	Serial N	
1	1907729	17	Normal	Local Hard D_	1.0.0	

Below the table, there are buttons for 'Smart Attributes' and 'Format'.

System Screen - HDD Setting

## Update

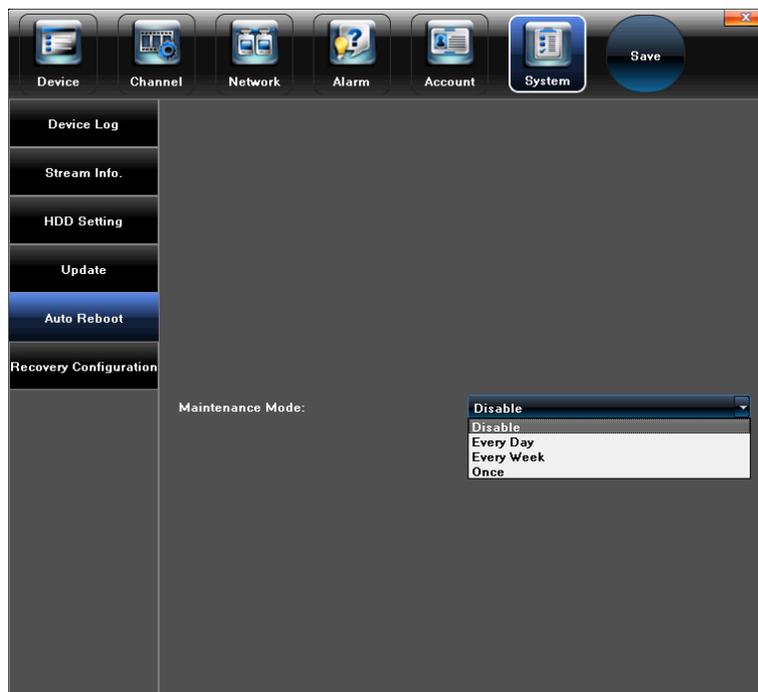
Update the UNVR system hardware.



**System Screen - Update System**

## Auto Reboot

Enable or disable the UNVR system for rebooting once, daily, or weekly.



**System Screen - Auto Reboot**

## Recovery Configuration

Export or import a recovery configuration file.



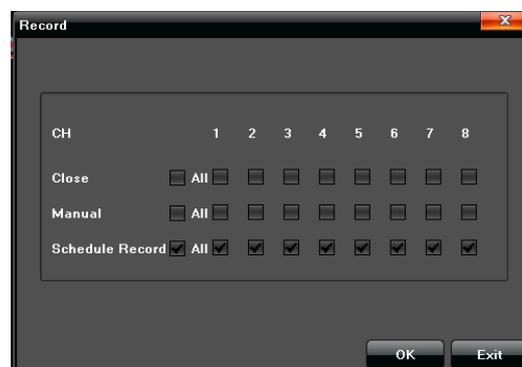
System Screen - Recovery Confirmation

## Record



Main Menu - Record

The **Record** screen allows for setting the system to record based on a schedule or you can manually turn recording on or off for all channels or individual channels.

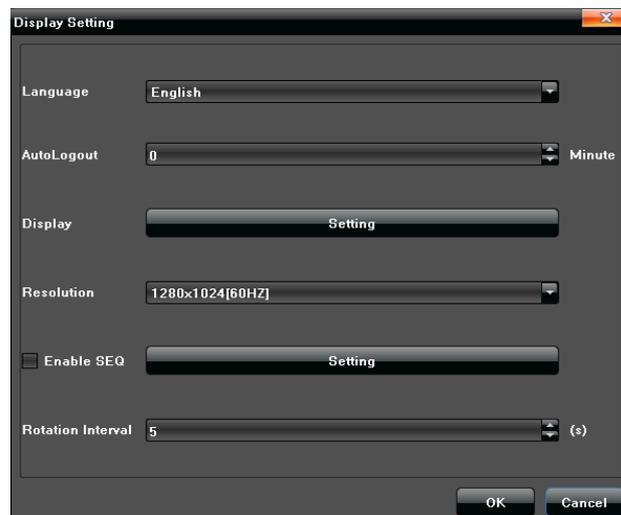


Record Screen

## Display Setting



### Main Menu - Display Setting



### Display Setting Screen

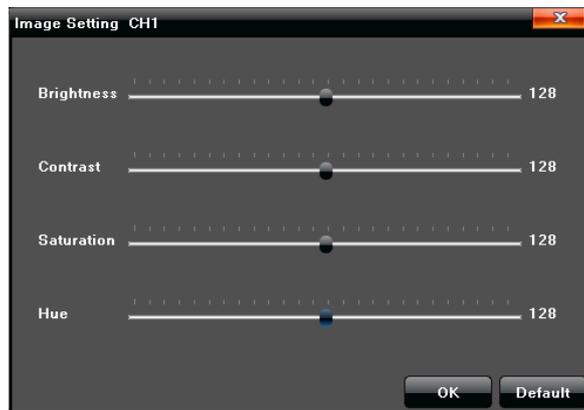
Set up the following parameters in the **Display** screen:

- Language - Different kinds of languages for selection (English, French, Spanish, etc.).
- Auto Logout - It will logout automatically with no operation during the selected minutes.
- Display - Adjust the brightness/ contrast/ saturation/hue of the video screen display
- Resolution - Select a different resolution to match the resolution of the connected TV or monitor.
- Enable SEQ - Click the icon in front of “Enable SEQ” to include the channel in the image rotation
- Rotation Interval - Sets the rotation interval time (seconds).

## Image Setting



### Main Menu - Image Setting



### Image Setting Screen

Adjust the following items in the **Image Setting** screen:

- Brightness
- Contrast
- Saturation
- Hue

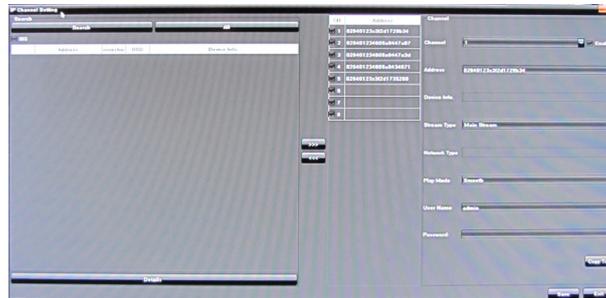
## IP Channel Setting



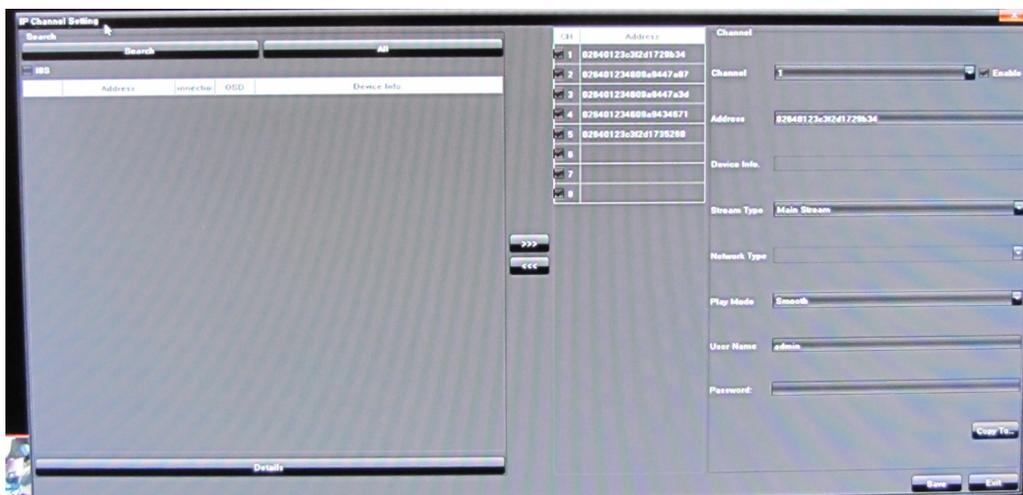
### Main Menu - IP Channel Setting

## IP Channel Setting - Manual

*Note: The IP Channel Settings do not require changing. The system automatically identifies when cameras are attached and assigns the IP addresses.*



## IP Channel Setting - Manual



## IP Channel Setting Screen

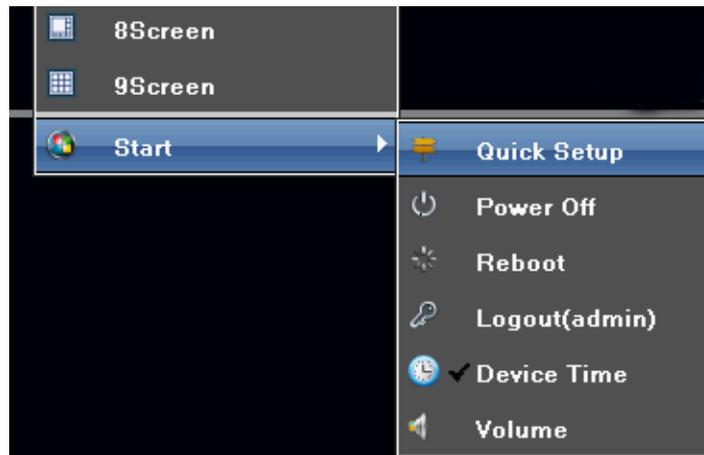
This **IP Channel Setting** screen allows setting up parameters for connecting the UNVR system to the Internet.

Choose Manual or Automatic to set up all channels or individual channels.

## OTHER MAIN MENU OPTIONS

Hover the mouse over **Start** in the Main Menu and these options display:

- Quick Setup
- Power Off
- Reboot
- Logout
- Device Time
- Volume



### Main Menu Features Under Start

#### QUICK SETUP

Click **Quick Setup** to return to the initial system setup screens.

#### POWER OFF

1. Click **Power Off** to shut down the UNVR system.
2. Unplug the Power Adapter to fully remove power from the NVR.



### Main Menu - Power Off

## REBOOT

Click **Reboot** to reboot the UNVR system automatically.



**Main Menu - Reboot**

## LOGOUT

Click **Logout** to exit the advanced feature items in the Main Menu.



**Main Menu - Logout**

## DEVICE TIME

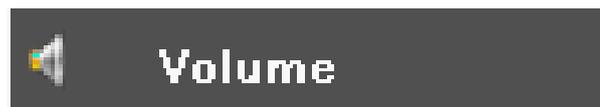
Click **Device Time** to set the UNVR system time.



**Main Menu - Device Time**

## VOLUME

Click **Volume** to change the volume of the SELECTED live screen.



**Main Menu - Volume**

*Note: The camera on the channel showing the live view screen must be equipped with a microphone to pick up sounds around the camera.*

## REMOTE ACCESS

You can also remotely access your UNVR system through Uniden's ProHD app for iOS or Android devices. Go to the Apple App Store or Google Play to download the free Uniden ProHD app.

The app is designed to be self-explanatory. However, you can download the Uniden ProHD App manual from [www.uniden.com](http://www.uniden.com) if you need assistance.

## FIRMWARE UPDATE

From time to time, Uniden may update its products' firmware to improve features, fix bugs, or otherwise improve the product. Uniden recommends checking for firmware updates periodically.

*Note: Check for firmware updates if you have service issues; your firmware may be out of date.*

1. Go to **Main Menu/Information/System Information** to locate the current NVR firmware version.
2. Go to <http://unidensupport.com/Find-Your-Product/Downloads> and look for the NVR. Check your DVR's firmware version against the latest firmware download available.
3. If there is a firmware version that is later than the firmware version on your system, download it to your USB drive.
4. Insert USB drive into USB port on front of NVR.
5. Go into **Settings/System Menu** and select **Update**.
6. Select **Browse** button and choose the new FW file on the USB drive.
7. Select **Upgrade** button
8. System will upgrade and then reboot.

In some cases, there may be an additional file that accompanies the FW upgrade. This is a configuration file. After the FW upgrade is complete, repeat the process selecting the configuration file.

After all of this is complete and the NVR reboots, return to the **System** tab and select **Recovery Configuration**. Select the **Default** button and check the **All** box and then OK. Once again the NVR will reboot and the upgrade is complete.

## MAINTENANCE

Use a damp cloth to wipe down the outside casings of the NVR equipment. Do not use harsh abrasives or chemicals as they could get inside the casings and damage internal components.

Check plugs and cords periodically for wear.

## RECYCLING AND DISPOSAL INFORMATION

- Do not dispose of electronic devices or any of their components (especially batteries and LCD displays) in your municipal trash collection.
- Consult your local waste management authority or a recycling organization like [Earth911.com](http://Earth911.com) to find an electronics recycling facility in your area.

# COMPLIANCE AND WARRANTY

## FCC COMPLIANCE

FCC Compliance Statement: This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Avis de conformité à la FCC : Cet dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

## IC COMPLIANCE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## ONE-YEAR LIMITED WARRANTY

**Important: SAVE YOUR RECEIPT! Evidence of original purchase is required for warranty service.**

WARRANTOR: Uniden America Corporation ("Uniden") ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials & craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate & be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the

performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, & you may also have other rights which vary from state to state. This warranty is void outside the United States of America & Canada.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts & accessories originally packaged with the Product. Include evidence of original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Service  
C/O Saddle Creek  
743 Henrietta Creek Rd., Suite 100  
Roanoke, TX 76262





