



Uniden Digital Video Recorder

**UDVR46-4 UDVR86-4
UDVR86-8**

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 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.

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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Uniden is a registered trademark of Uniden America Corporation.



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.

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IMPORTANT SAFEGUARDS

This section provides precautions and safety measures to ensure you are using the UDVR 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.

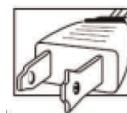
CAUTION

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 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.

FEATURES

PRODUCT OVERVIEW

The UDVR High Definition Receiver provides a high-performance security network using a standard H.264 video compressed format. The UDVR 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 UDVR supports:

- High definition 1080p recording.
- Real-time recording at 15 fps 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.
- 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.

PACKAGE CONTENTS

RECEIVER PACKAGE



6 ft Ethernet Cable



6 ft HDMI Cable



UDVR Receiver



**12V AC/DC Adapter and
12V DC Power Connector**



USB Mouse

CAMERA PACKAGE



Outdoor Camera (4 or 8)

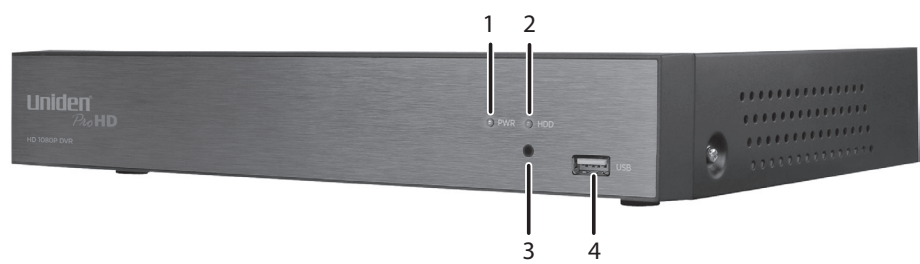
CABLE PACKAGE



100’ Cat5E Cable (4 or 8)

UDVR RECEIVER FRONT PANEL

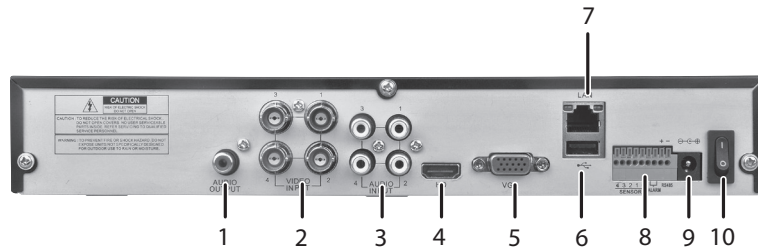
Note: The UDVR reciever front panel is common to all models.



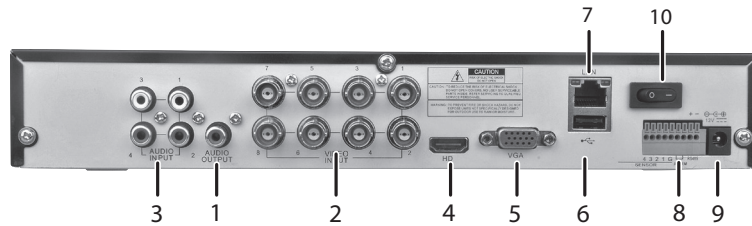
1	Power on/off LED
2	Hard Disk Drive LED
3	Alarm LED
4	USB port

UDVR 1080P REAR PANELS

UDVR 46x4



UDVR 86x4
UDVR 86x8



1	Audio Output
2	Camera Input: Connected Power over Ethernet (PoE) and non-PoE cameras. Non-PoE cameras require a separate AC adapter for power.
3	Audio Input
4	HDMI Input: Connect the included HDMI cable from this port to an HDMI monitor to view the system interface, live video, or recorded video.
5	VGA Input: Connect a VGA cable (included) from this port to an HD television to view the system interface, live video, or recorded video.
6	USB port: Connect the USB mouse.
7	WAN port: Connect the Ethernet cable to your existing router or network for local and remote connectivity.
8	RS-485 and Alarm In/Out connections: Connects to external alarm devices.
9	DC IN: Connect to the included AC power adapter.
10	Power ON/OFF Switch: Turns power on and off

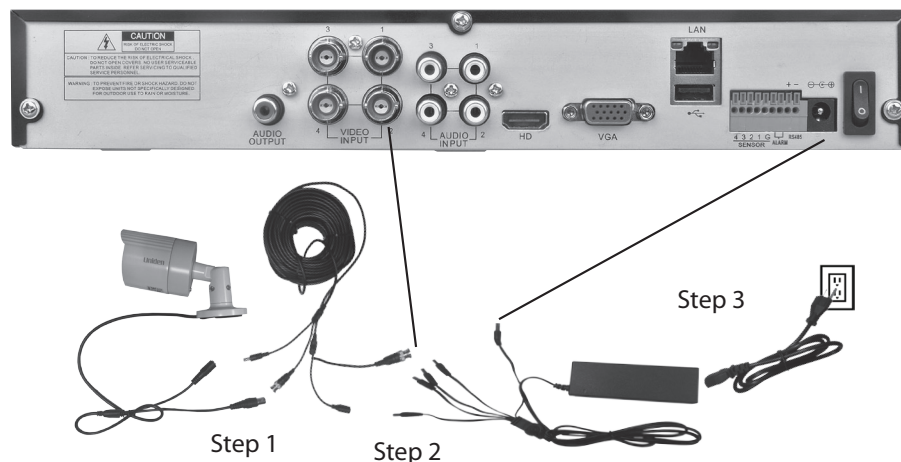
SET UP

SET UP CAMERAS AND POWER

Note: Although the Uniden DVR 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 and power on all cameras to ensure operation and video quality.

The UDVR46x4 unit is shown for simplicity.



Step 1: Connect Camera to Power/Video Cable

The camera cable has 2 connectors: a power connector and a video cable connector. One end of the 100 foot coiled Power/Video cable has connectors to match. Connect each camera cable end to its appropriate connector.

Step 2: Connect Power/Video Cable to Gateway Video Input and Power

The other end of the Power/Video cable also has 2 connectors; one connects to the video input jack on the back of the receiver and the other connects to one of the 4 power block connectors. (The power block also has a separate connector to the receiver's power input.) Connect the Power/Video cable to the power block and the coiled camera cable output to the camera video input connector on the receiver.

Repeat these two steps for all cameras. Once all cameras are connected to their respective coiled cables and the coiled cables are connected to the power block, go to Step 3.

Step 3: Connect the Power Block to Power and to the Gateway

Connect the power block to the 12V power cable and connect the power cable to 12V indoor power. Connect the video power connection to the receiver.

SET UP PERIPHERALS

Connect the Mouse

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



Connect the Ethernet Cable

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

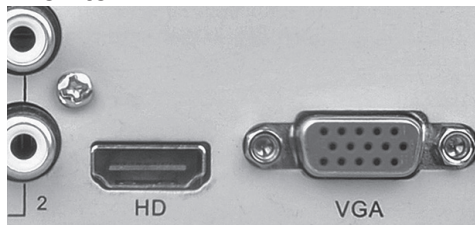


Connect the Monitor

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

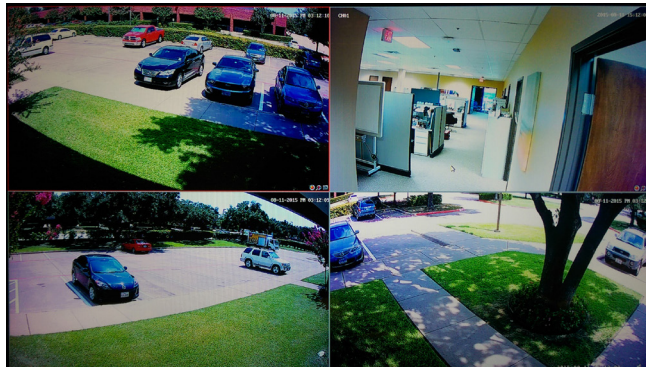
OR

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



Power Up the UDVR


1. Verify that the system is connected to power at the 12V wall outlet and to the receiver.
2. Switch the power toggle to the ON position.
3. Once the receiver is powered up, the Uniden logo appears on the screen and a short beep sounds as the system performs a self check. After a few minutes, Live view appears as shown from the camera(s) connected.



UDVR Live View

INSTALLING CAMERAS

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

 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



CAUTION

If you need to use an extension cable, it must be a single stretch of cable between the UDVR and camera. You cannot connect multiple extension cables to each other.

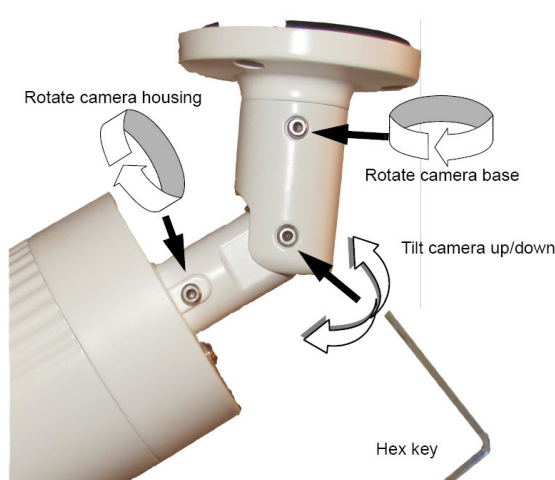
Note: The following installation instructions refer to the cameras included with the UDVR package. If installing another manufacturer's camera, refer to installation instructions included with that camera.

1. Verify that the system is powered up and that live views from all cameras display on the monitor.
2. Hold the camera in the location where you want it mounted. Check the display on the monitor to verify that the location is acceptable.
3. Mount the camera(s) to the desired surface using the parts in the supplied mounting kit. Choose a firm mounting surface. If mounting on drywall, use the drywall anchors supplied in the kit.



Note: Camera may not be exactly as shown.

4. Adjust the camera stand to ensure that the camera has a satisfactory view of the area you would like to monitor. The camera has several adjustment points to provide maximum flexibility when setting the view angle. To make the adjustments, use the hex key (included).



Camera View Angle Adjustments

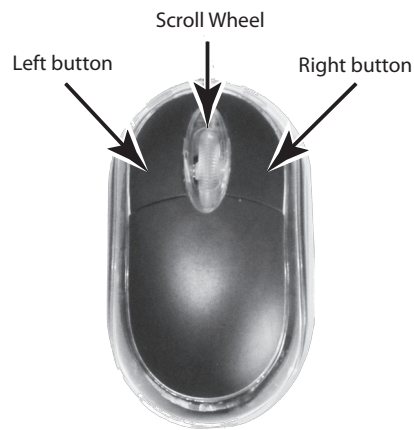
GETTING STARTED

START UP THE UDVR SYSTEM

If necessary, plug in the power supply and press the Power switch to the ON position. The power indicator lights up, the system displays various progress screens, and then emits a single beep. When the system is fully active, it displays live video in multi-screen format.

USING THE MOUSE

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

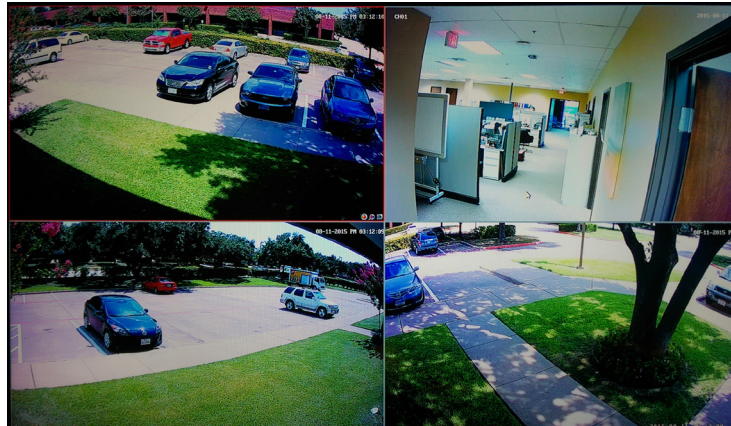
- In Live view, right-click anywhere on the screen to open the Main Menu.
- Within system menus, right-click to exit menus.

Scroll Wheel

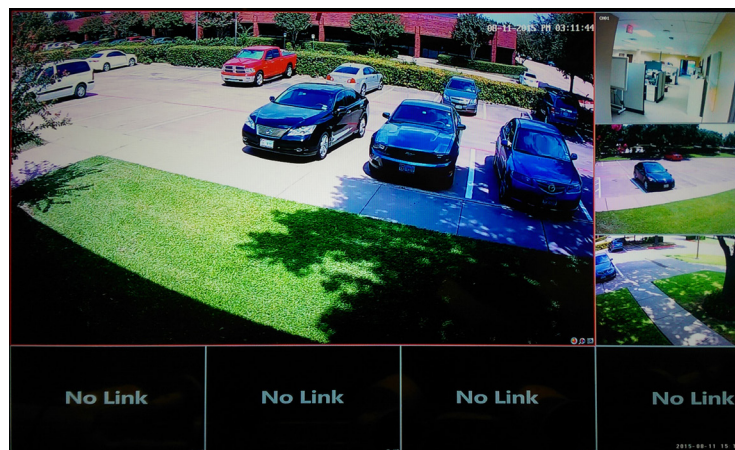
- When viewing an image in Live view, use the scroll wheel to zoom in or out.

WORKING WITH MULTIPLE SCREENS

The UDVR's normal start-up mode is multi-screen with the main camera highlighted.



UDVR 4-Screen Format with 4 Active Cameras



UDVR 8-Screen Format with 4 Active Cameras

Changing the Main Camera View

To display a different channel in the larger screen (8-channel format only), drag and drop any channel live view into the larger screen.

To view a channel in full screen mode, double click any channel.

In-Screen Display

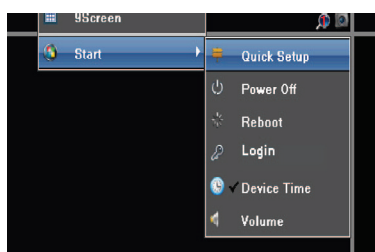
The UDVR system shows the following for all live views.



INITIAL LOGIN

You must log into the system to access all features. Once you log in, you should set a password for system access and set the time, date, and display format.

1. Right-click on the Live view screen. The Main Menu displays.
2. Hover the cursor over **Start**. A sub menu displays:



Access Login Screen

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



Login Screen

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

Add a 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 **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 the **Modify User** button in the bottom right. Use the on-screen keypad to enter and confirm a password. Click **OK**. (See page 41 for Account Setting sub-tab details.)

Set the Device Time, Date, and Display Format

Local time and date are set automatically through the network connection. However, use the following procedure if you want to reset the time, date, or display format. (See page 26 for more detailed information.)

1. From the **Main Menu**, select Setting/Device/Device Number. Select Setting for Device Time. The Device Time screen displays.



2. Click on a field (year, month, day, hour, minutes, or seconds) and then click the up or down arrows to set that field. Continue with the other fields.
3. Select a date format from the drop-down menu. Click **OK** when complete.

MAIN MENU

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



Main Menu

You must log in to access most of the features. However, 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. The screen options displayed will vary according to system configuration.

Note: When in Quad view (4 screen) with more than 4 cameras, Series 1 and 2 change from viewing Cameras 1 - 4 to viewing Cameras 5 - 8.

- **Start** - Click on Start to access the Main Menu subscreens (see page 17).

MAIN MENU

MAIN MENU ADVANCED SETTINGS

Note: You must be logged into the system to access advanced features (see page 14.)

After logging into the system, right-click to display the Main menu.



Playback - Play video files stored on the hard disk (see page 17).

Backup - Backup video and capture files to an external storage device (see page 18).

PTZ - Set controls for a Pan-Tilt-Zoom camera (see page 19).

Capture - Saves a photo of the image displayed on the screen (see page 21).

Alarm - Set alarms for motion detection, video loss, tampering, and other functions (see page 21).

File Manager - Organizes saved video and captured files (see page 22).

Setting - Configure Device, Channel, Network, Alarm, and System parameters (see page 22).

Record - Set up recording for individual or all channels (see page 46).

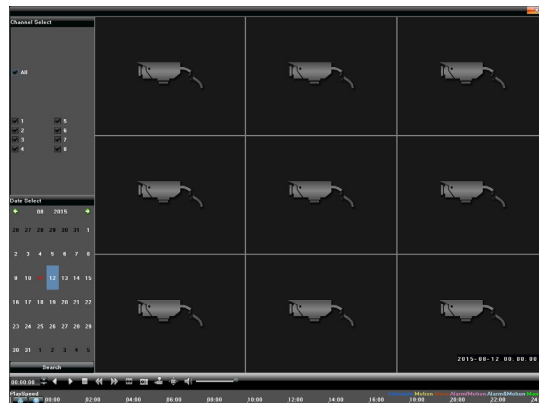
Display Setting - Set parameters for Text Language, Auto Logout, Image Display, Image Resolution, Camera Display Sequence (see page 47).

Image Setting - Set brightness, contrast, saturation, and hue for individual channels (see page 49).

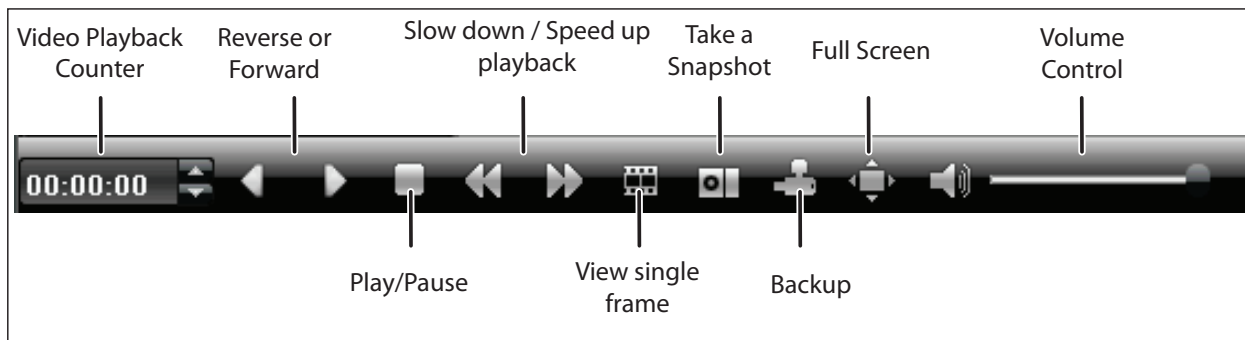
IP Channel Setting - Configure network for the system (see page 45).

Playback

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



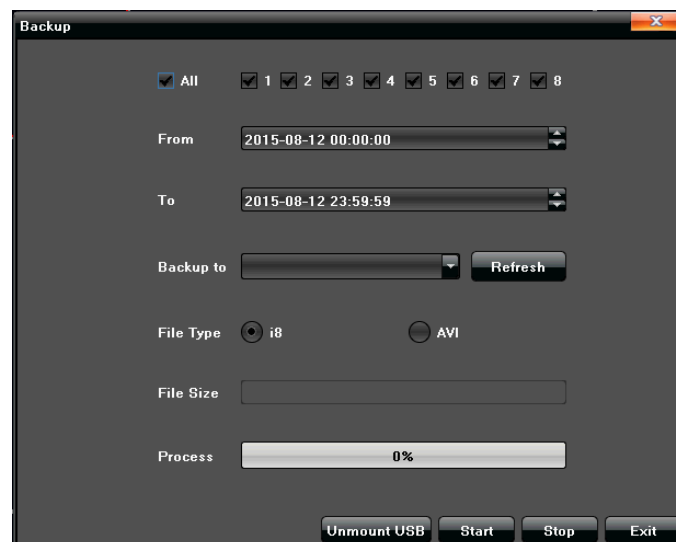
A control bar displays above a daily recording indicator.



- 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

Copy the recorded files from the hard disk to an external storage device such as a USB drive.



FIELD	DESCRIPTION
<i>Channel</i>	Select the backup data for a specific channel (1-4 or 8 if applicable, or All)

FIELD	DESCRIPTION
<i>From</i>	Start date/time to begin backup
<i>To</i>	Start date/time to begin backup
<i>Backup To</i>	Removeable drive
<i>File Type</i>	i8 or AVI
<i>File Size</i>	Displays the size of the files being backed up

1. Access the **Backup** screen through **Main Menu/Backup**.
2. Insert a USB drive in the USB port on the receiver'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 enter the start and stop date/time range to be backed up.
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.

This screen lets you set up a specific path/pattern for the PTZ camera, name that path/pattern, and then save it to be recalled as needed.

Refer to the PTZ camera manufacturer's instructions for details on setting the camera's parameters.





PTZ Camera Parameters Menu

FIELD	DESCRIPTION
<i>Auto</i>	Click on a direction triangle to aim the PTZ camera in that direction.
<i>Lens settings</i>	<ul style="list-style-type: none"> • Vertical • Horizontal • Zoom • Iris • Focus
<i>Zoom</i>	Zoom in or out
<i>Iris</i>	Controls the amount of light coming through the lens
<i>Focus</i>	Sharpen or relax focus
<i>Aux Device</i>	<ul style="list-style-type: none"> • Light • Wipers • Fan • Heater • Equipment1 • Equipment2
<i>Preset</i>	1 - 255
<i>Cruise</i>	Camera rotation speed 1 - 255
<i>Track</i>	Detect, follow, and record video of moving persons or objects. 1 - 255

About Presets


The UDVR 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). Recalling that preset will move the camera to that point.

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 .

The camera moves to that preset location and stops.


About 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 .

About 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**. Completed displays. Review snapshots through the File Manager screen (see page 22).

Alarm

The UDVR system keeps a record of any alarms received. Display this record through the Alarm screen.



HEADING	DESCRIPTION
<i>From</i>	Start date/time of alarm
<i>To</i>	End date/time of alarm
<i>Event Type</i>	Alarm type
<i>Channel</i>	Affected channels

Use the alarm parameters to tailor the alarms for different situations:

- Motion detection
- Video loss
- Tampering

Go to Main Menu/Settings/Channel to access the Motion Detection, Video Loss, and Tampering sub-tabs.

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. Picture or Video display.
2. Click on either Picture or Video. A list of dates displays. Each date contains files recorded/captured on that date. Click on one of those dates.
3. File names display. Double click the file name to display the captured image or file.

Setting Screen

The **Setting** screen specifies parameters for several major UDVR functions. It has 6 top tabs to input these parameters:

- Device

- Channel
- Network
- Alarm
- Account
- System

Device Tab

Setting Screen - Device Tab

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

The Device tab has 5 sub-tabs:

- Device Number
- System Version
- PTZ Setting
- DST Setting
- QR Code

Device Number Sub-Tab

The Device Number sub-tab screen is the same as the main Device Tab screen above.

FIELD	DESCRIPTION
<i>Device Name</i>	Create a name for the system.
<i>Device Number</i>	Assign a number to the device.
<i>Record Replace</i>	Enable Record Overwrite.



PTZ Setting Screen

HEADING	DESCRIPTION
<i>CH</i>	PTZ camera's channel number
<i>Protocol</i>	Obtain this information from the PTZ camera.
<i>Data Bits</i>	
<i>PTZ Address</i>	
<i>Bits per Second</i>	
<i>Flow Control</i>	
<i>Stop Bits</i>	
<i>Parity</i>	

DST Setting Sub-Tab

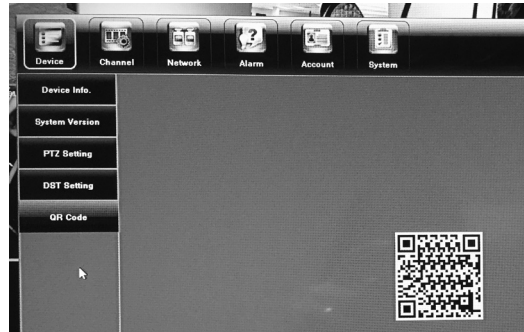
This sub-tab sets Daylight Savings Time for the UDVR system.



FIELD	DESCRIPTION
<i>Enable Daylight Saving Time</i>	Click the Enable Daylight Saving Time box to activate the DST settings
<i>From</i>	Set Daylight Saving time to begin on the first Sunday in March and to end on the first Sunday in November.
<i>To</i>	Set Daylight Saving time to end on the first Sunday in November.
<i>DST Bias</i>	30, 60, 90, 120 minutes

QR Code Sub-Tab

This screen shows a Quick Response (QR) code that contains the Device ID generated by the system. Use this QR code to identify your system during ProHD app setup.

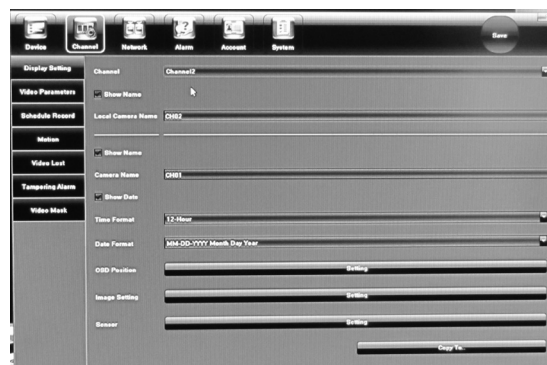


QR Code Screen

Channel Tab

The term “Channel” refers to each monitoring camera attached to the UDVR system. The Channel tab has several sub-tabs.

- Display Setting
- Video Parameters
- Schedule Record
- Motion
- Video Lost
- Tampering Alarm
- Video Mask



Channel Screen

Device Number Sub-Tab

Sets parameters for each camera’s screen display.

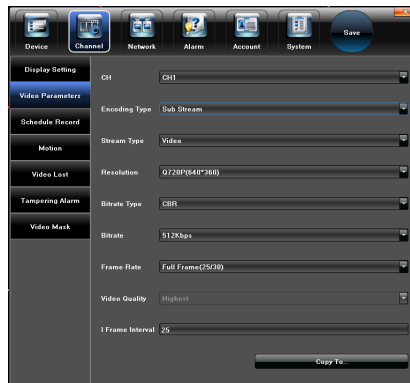


Display Setting Screen

FIELD	DESCRIPTION
<i>CH</i>	Channel connected to a specific camera
<i>Show Name</i>	Show or hide the name of the camera
<i>Local Camera Name</i>	Assign a name to the specific camera
<i>Show Date</i>	Show or hide the current time and date for the selected camera.
<i>Time Format</i>	Select either 12- or 24-hour format as the time display format.
<i>Date Format</i>	Select a date format to display: <ul style="list-style-type: none"> • MMDDYYYY • DDMMYYYY • YYYYMMDD
<i>OSD Position</i>	Select a location on the screen where the date/time stamp will display. (Camera live view displays with red box. Move box to desired location; click OK to return to Display Setting menu.)
<i>Image Setting</i>	Adjust the brightness, contrast, saturation, and hue of the camera image.
<i>Copy To</i>	Copy these display settings to the selected channel.

Video Parameters Sub-Tab

This screen modifies video parameters for each camera.



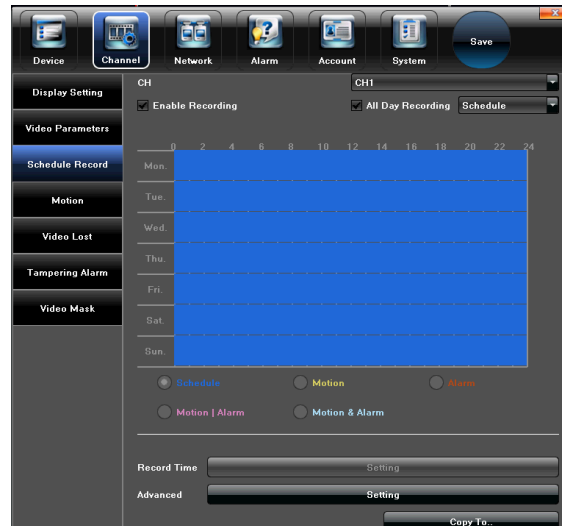
FIELD	DESCRIPTION
<i>Channel</i>	Select the channel whose parameters will be changed
<i>Encoding Type</i>	Select: <ul style="list-style-type: none">• Main Stream• Sub Stream• Main Stream (Event)
<i>Stream Type</i>	Video or Video & Audio <i>Note: The included cameras do not support audio.</i>
<i>Resolution</i>	Set resolution <ul style="list-style-type: none">• Q1080P (960*544)• HD720p (1280*720)• HD1080p (1920 * 1080)
<i>Bit Rate Type</i>	<ul style="list-style-type: none">• CBR• VBR
<i>Bit Rate</i>	Select an appropriate bit rate from a drop-down list.
<i>Frame Rate</i>	Select an appropriate frame rate from the drop-down list. <i>Note: The higher the resolution, bit rate, and frame rate, the larger the recorded video file size.</i>
<i>Video Quality</i>	Choose the video quality level (Default = Highest)
<i>Copy To</i>	Copy these settings to a selected channel.

Schedule Record Sub-Tab

This sub-tab sets up a recording schedule for each channel according to 5 variables:

- Schedule - Specify a day and time for video to record on a channel.
- Motion - Activate motion detection on a specific channel for a specific timeframe.
- Alarm - Schedule cameras to activate during a specific time frame if alarm conditions are met.

- Motion | Alarm - Schedule cameras to activate during a specific time frame if motion sensors OR alarms are activated.
- Motion & Alarm - Schedule cameras to activate during a specific time frame if motion sensors AND alarms are activated.



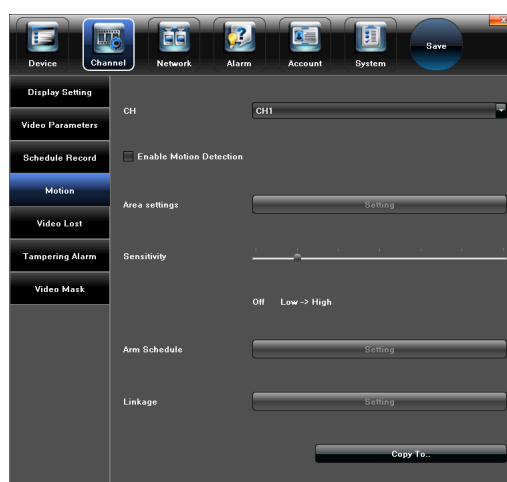
Schedule Recording Setting Screen

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 Sub-Tab

Enable motion detection with this screen. Select Enable Motion Detection to access parameters. Set parameters on each channel for detecting motion. Use the Copy To feature to transfer the settings to other channels.

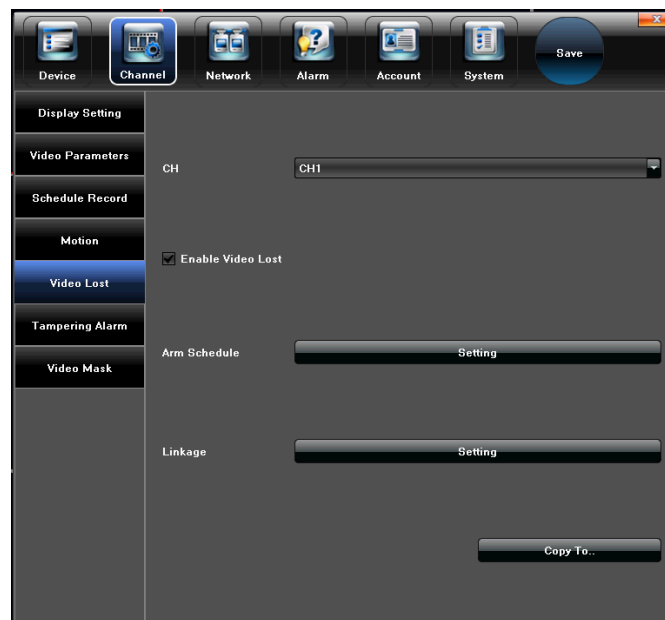


Motion Detection Setting Screen

FIELD	DESCRIPTION
<i>CH</i>	Select the channel whose motion detection settings you want to set.
<i>Enable Motion Detection</i>	Check this box to turn on the motion detection options on this screen.
<i>Area Settings</i>	<p>This field lets you mask certain viewing areas so they will not trigger recording.</p> <ol style="list-style-type: none"> 1. Select Settings to display the live view for that channel. 2. Left-click and drag the cursor over an area. Release. A red box displays over the area to mask it. 3. Right-click and drag over the red box to delete it. 4. Click OK to save the settings or Cancel to delete the settings and return to the Motion sub-tab screen.
<i>Sensitivity</i>	Drag the tab along the sensitivity bar to increase or decrease motion sensor sensitivity.
<i>Arm Schedule</i>	Select Setting for this field to display a 7-day calendar. Drag the cursor along the day/time during which you want motion sensor active for that channel.
<i>Linkage</i>	Select this field to link motion detection to alarms.
<i>Copy To</i>	This field copies the settings to other channels.

Video Lost Sub-Tab

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



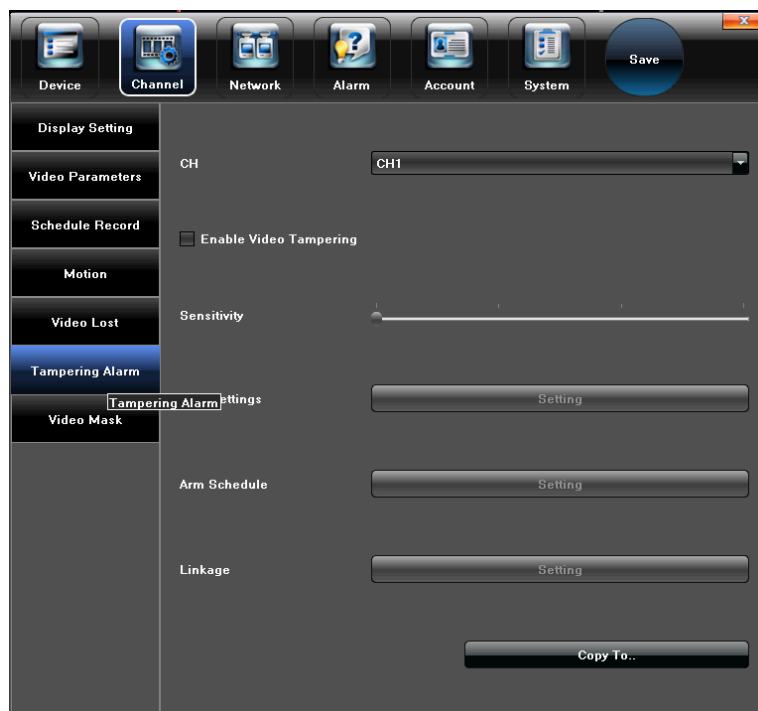
Video Lost Screen

OPTION	DESCRIPTION
<i>CH</i>	Select the channel whose alarm notifications you want to set should it lose video.

OPTION	DESCRIPTION
<i>Enable Video Lost</i>	Check this box to turn on the video lost options on this screen.
<i>Arm Schedule</i>	Select Setting for this field to display a 7-day calendar. Drag the cursor along the day/time during which you want video lost monitoring active for that channel.
<i>Linkage</i>	Select this field to link loss of video to alarms.
<i>Copy To</i>	This field copies the settings to other channels.

Tampering Alarm Sub-Tab

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



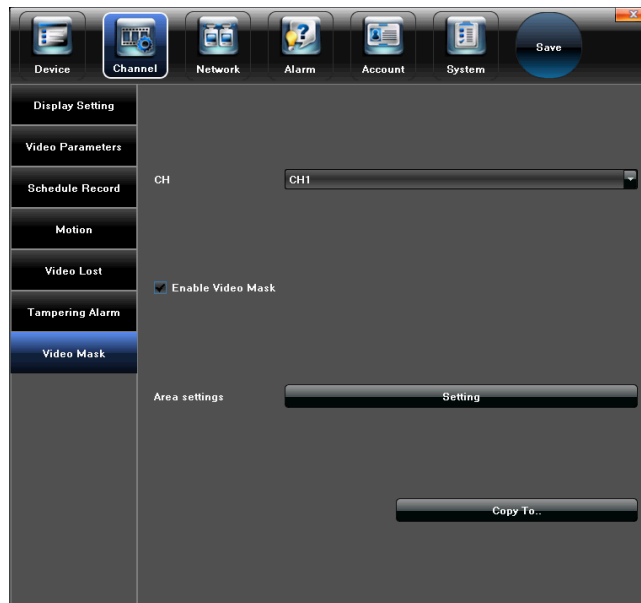
Tampering Alarm Screen

OPTION	DESCRIPTION
<i>CH</i>	Select the channel whose alarm notifications you want to set should tampering with the camera occur.
<i>Enable Video Tampering</i>	Check this box to turn on the video tampering options for this screen.
<i>Sensitivity</i>	Drag the tab along the sensitivity bar to increase or decrease sensitivity.
<i>Area Settings</i>	<p>This field lets you mask certain viewing areas so they will not indicate video tampering.</p> <ol style="list-style-type: none"> 1. Select Settings to display the live view for that channel. 2. Left-click and drag the cursor over an area. Release. A red box displays over the area to mask it. 3. Right-click and drag over the red box to delete it. 4. Click OK to save the settings or Cancel to delete the settings and return to the Tampering Alarm sub-tab screen.

OPTION	DESCRIPTION
<i>Arm Schedule</i>	Select Setting for this field to display a 7-day calendar. Drag the cursor along the day/time during which you want video tampering monitoring active for that channel.
<i>Linkage</i>	Select this field to link video tampering to alarms.
<i>Copy To</i>	This field copies the settings to other channels.

Video Mask Sub-Tab

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



Video Mask Screen

FIELD	DESCRIPTION
<i>CH</i>	Select the channel whose video masking options you want to adjust.
<i>Enable Video Mask</i>	Check this box to turn on the video masking options for this screen.
<i>Area Settings</i>	This field lets you mask certain viewing areas so they will not record. 1. Select Settings to display the live view for that channel. 2. Left-click and drag the cursor over an area. Release. A red box displays over the area to mask it. 3. Right-click and drag over the red box to delete it. 4. Click OK to save the settings or Cancel to delete the settings and return to the Video Mask sub-tab screen.
<i>Copy To</i>	This field copies the settings to other channels.

Network Tab

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

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

The screenshot shows the 'Network Setting' screen. The left sidebar has tabs for 'Device', 'Channel', 'Network' (selected), 'Alarm', 'Account', 'System', and 'Save'. The main area contains the following settings:

- NIC:** 1
- IP:** 192.168.1.3, with a checked **DHCP** checkbox.
- Subnet Mask:** 255.255.255.0
- Default Gateway:** 192.168.1.1
- First DNS:** 192.168.1.1
- Second DNS:** (empty)
- MAC:** 00:21:4b:18:8c:46
- Default Route:** NIC1
- Remote Port:** 5050
- HTTP Port:** 80
- RTMP Port:** ☒ 1935

Network Screen

Network Settings Sub-Tab

The Uniden UDVR 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. The left sidebar has tabs for 'Device', 'Channel', 'Network' (selected), 'Alarm', 'Account', 'System', and 'Save'. The main area contains the following settings:

- NIC:** 1
- IP:** 192.168.1.3, with a checked **DHCP** checkbox.
- Subnet Mask:** 255.255.255.0
- Default Gateway:** 192.168.1.1
- First DNS:** 192.168.1.1
- Second DNS:** (empty)
- 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
- Advance:** (button)

Network Settings Screen

OPTION	DESCRIPTION
NIC	Network Interface Card
IP/DHCP	Internet Protocol/Dynamic Host Configuration Protocol. If checked, IP address automatically assigned. If unchecked, enter static IP address.

OPTION	DESCRIPTION
<i>Subnet Mask</i>	Subnet IP address
<i>Default Gateway</i>	Gateway IP address
<i>First DNS</i>	Assigned by the Internet Service Provider. Retrieve information from Settings or call your ISP.
<i>Second DNS</i>	
<i>MAC</i>	Autofilled by the DVR.
<i>Default Route</i>	If more than 1 internet card, select default route.
<i>Remote Port</i>	Port assigned for remote access
<i>HTTP Port</i>	Outgoing port for Port-to-Port forwarding
<i>RTMP Port</i>	Real Time Message Protocol port. (Default = 1935)
<i>RTSP Port</i>	Real Time Streaming Protocol port (Default = 554)
<i>RTSP Http Port</i>	Outgoing port for Real Time Streaming Protocol. (Default = 8002)
<i>Advance</i>	Set up hosting information (alarm, management, user name and password, etc)

DDNS Server Settings Sub-Tab

The DDNS server allows a PC with a fixed IP address to connect to the internet. This sub-tab displays what the connections are.

DDNS Settings Screen

OPTION	DESCRIPTION
<i>Enable DDNS</i>	Enable to set Dynamic Data Network Settings.
<i>Server Type</i>	Dropdown list provides options for server types.
<i>Server Name</i>	Server name from ISP.

OPTION	DESCRIPTION
<i>Port</i>	Outgoing port (Default = 80)
<i>User Name</i>	From DDNS
<i>Password</i>	
<i>Pwd Confirm</i>	
<i>Domain</i>	

NTP Setting Sub-Tab

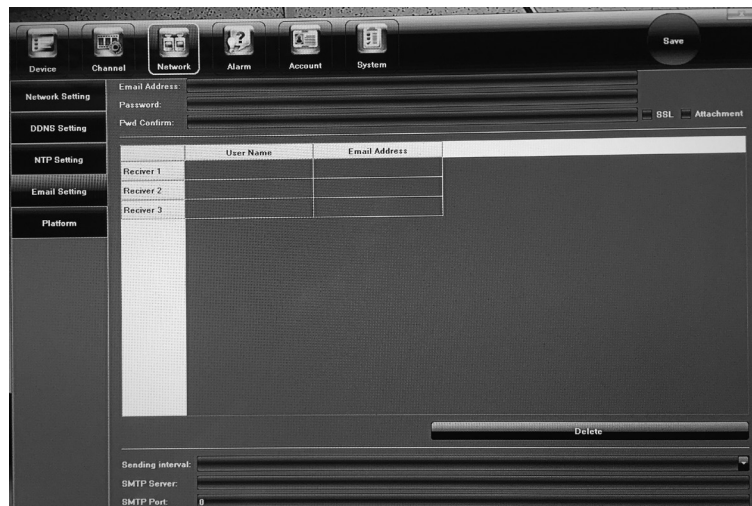


NTP Settings Screen

OPTION	DESCRIPTION
<i>Enable NTP</i>	Enables Network Time Protocol to synchronize system clocks.
<i>Server Address</i>	Server where NTP accesses time.
<i>NTP Port</i>	NTP software port.
<i>Update Frequency</i>	How often the DVR synchronizes time.
<i>Select Time Zone</i>	Time zone
<i>GMT</i>	<ul style="list-style-type: none"> • Hour • Minute • Adjust (for DST)

Email Setting Sub-Tab

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



Email Setting Screen

FIELD	DESCRIPTION
<i>Email Address</i>	Enter the email address where alarms and other notifications should go.
<i>Password</i>	Enter the email address password.
<i>Pwd Confirm</i>	Enter the email address password again.
<i>SSL</i>	Select to allow the Secure Socket Layer to establish a secure link between the browser and the web server.
<i>Attachment</i>	Check this box if there is an attachment with the email.
<i>User Name/ Email Address/ Receiver block</i>	"Send to:" email address
<i>Sending Interval</i>	Set how often the system checks for outgoing email.
<i>SMTP Server</i>	Provided by the email provider.
<i>SMTP Port</i>	

Platform Sub-Tab

Set parameters management protocol such as iCloud or WebServer.



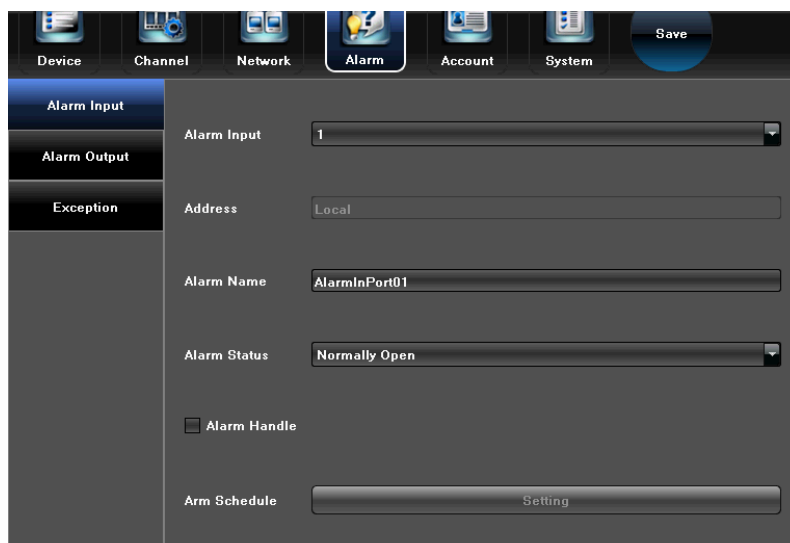
Management Platform Screen

FIELD	DESCRIPTION
<i>Platform</i>	1 - 8
<i>Protocol</i>	Plug and Play

Alarm Tab

The **Alarm** screen allows UDVR system alarm configuration. The system alerts you by popping up live video and playing sound alerts for events such as motion detection, video loss, or hard disk drive problems. This tab has 3 sub-tabs:

- Alarm Input
- Alarm Output
- Exception



Alarm Screen

Alarm Input Sub-Tab

The Alarm Input sub-tab allows you to define alarm inputs (name, status, arming schedule, etc).

Alarm Input Screen

OPTION	DESCRIPTION
<i>Alarm Input</i>	Channel with originating alarm
<i>Address</i>	Local alarm
<i>Alarm Name</i>	Use popup keyboard to name the alarm
<i>Alarm Status</i>	Choose “normally open” or “normally closed” according to the alarm devices used.
<i>Alarm Handle</i>	Alarm Management
	• <i>Alarm Schedule</i>
	• <i>Linkage</i>
<i>Copy To</i>	Copy these settings to the selected channel.

Alarm Output Sub-Tab

Sets the alarm output delay and alarm schedule.

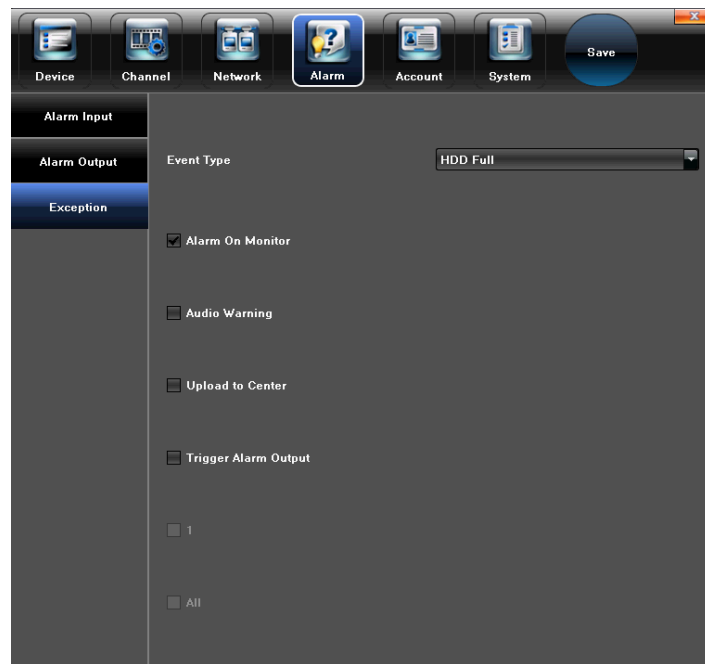
The screenshot shows the 'Alarm Output' sub-tab interface. At the top, there is a navigation bar with icons for 'Device', 'Channel', 'Network', 'Alarm' (which is highlighted), 'Account', 'System', and a 'Save' button. On the left side, there is a sidebar with three tabs: 'Alarm Input', 'Alarm Output' (which is selected and highlighted in blue), and 'Exception'. The main content area is divided into sections. The first section is 'Alarm Output', which contains a dropdown menu currently set to '1'. Below this is an 'Address' field with the value 'Local'. The next section is 'Delay', with a dropdown menu set to '5s'. The final section is 'Arm Schedule', which contains a button labeled 'Setting'. At the bottom right of the main area, there is a button labeled 'Copy To...'.

Alarm Output Screen

OPTION	DESCRIPTION
<i>Alarm Output</i>	Alarm devices
<i>Address</i>	Local alarm location
<i>Delay</i>	Alarm time
<i>Arm Schedule</i>	Schedule of times when the alarms will be armed.
<i>Copy To</i>	Copy these settings to the selected channel.

Exception Sub-Tab

Set the conditions for which an alarm will NOT trigger.



Alarm Exception Screen

OPTION	DESCRIPTION
<i>Event Type</i>	<ul style="list-style-type: none"> • HDD Full • HDD Fault • Network Broken • IP Address Conflict • Illegal Access • Video Signal Exception
<i>Alarm on Monitor</i>	Alarm message displays on the monitor.
<i>Pop Up Message</i>	Alarm message displays on the monitor in a pop-up message.
<i>Audio Warning</i>	Alarm sounds.
<i>Upload to Center</i>	Upload the alarm to the video management system.
<i>Trigger Alarm Output</i>	Alarm devices will be affected.

Account Tab

Enter user account details through the Account Setting sub-tab. The other sub-tab, User Online, displays what users are online.

The screenshot shows the 'Account' tab selected in the top navigation bar. Below it, the 'Account Setting' sub-tab is active. An 'Edit' dialog box is open, allowing modification of user details. The dialog contains the following fields:

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

At the bottom of the dialog are 'OK' and 'Cancel' buttons. Below the dialog, in the main window, are buttons for 'User Privilege', 'Delete User', 'Add User', and 'Modify User'.

Account Screen

Account Setting Sub-Tab

Enter user name, password, and specify user type.

The screenshot shows the 'Account' tab selected in the top navigation bar. Below it, the 'Account Setting' sub-tab is active. A table displays the current user accounts:

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

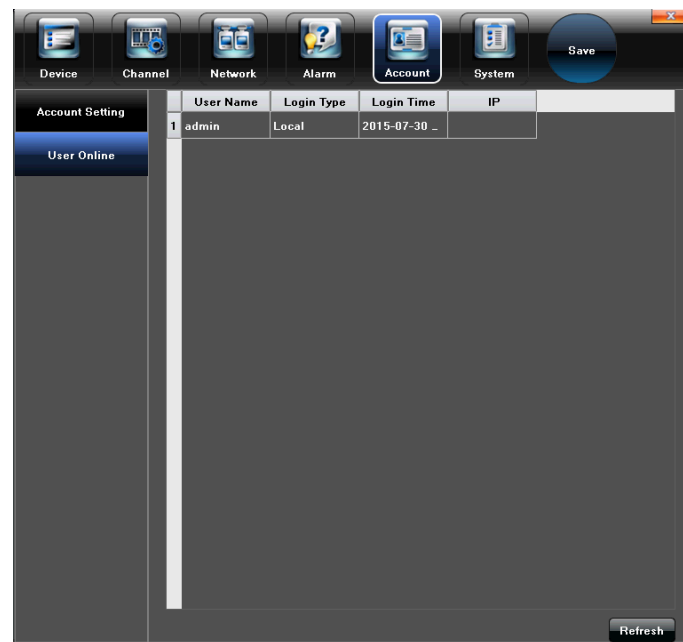
Below the table are buttons for 'User Privilege', 'Delete User', 'Add User', and 'Modify User'.

Account Setting Screen

OPTION	DESCRIPTION
User Name	DVR User Name
Authority	Access authorization level (administrator, guest, etc)
IP Combine	Fixed IP address used; other users cannot log in.
MAC Combine	Fixed MAC address used; other users cannot log in.

User Online Sub-Tab

Check the status of an online user's connection.



User Online Screen

System Tab

The **System** tab allows for setting up system parameters as needed. There are 6 sub-tabs:

- Device Log
- Stream Info.
- HDD Setting
- Update
- Auto Reboot
- Recovery Configuration

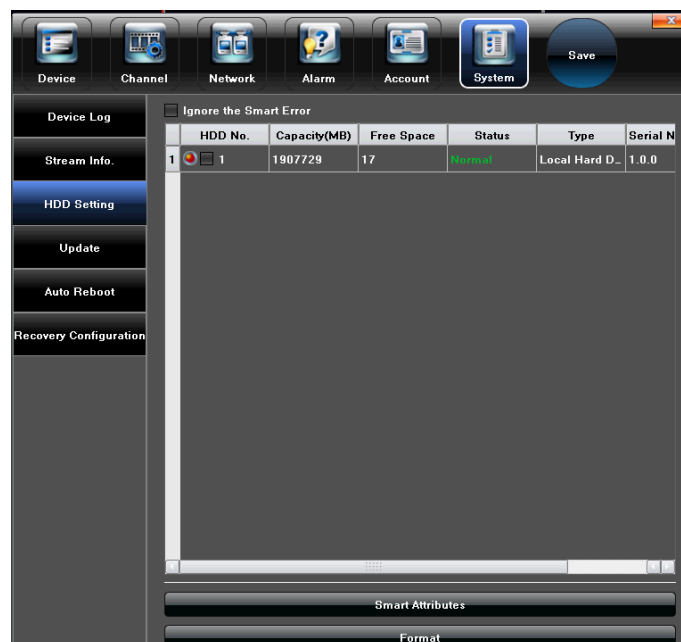
Device Log Sub-Tab

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

COLUMN	DESCRIPTION
<i>CH</i>	Channel number
<i>Main Stream</i>	High Resolution
<i>Sub Stream</i>	High Resolution
<i>Main Stream</i>	Low Resolution
<i>Sub Stream</i>	Low Resolution

HDD Setting Sub-Tab

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



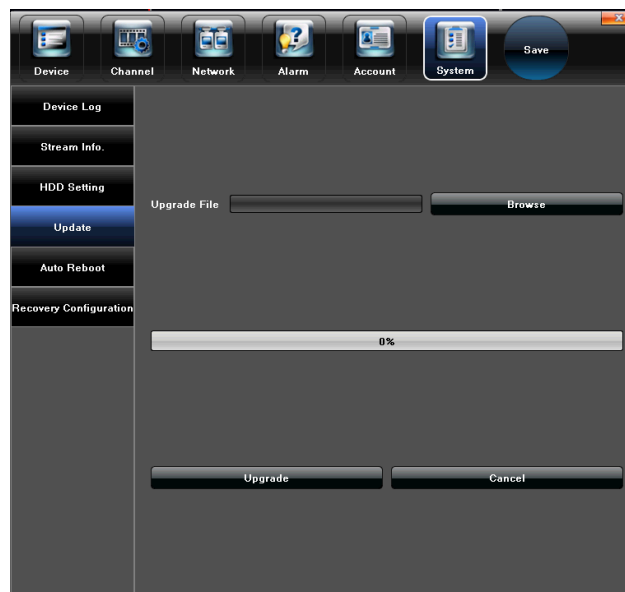
System Screen - HDD Setting

The system displays the following information:

- HDD No.
- Capacity (MB)
- Free Space
- Status (Normal, etc)
- Type
- Serial Number

Update Sub-Tab

Update the UDVR system software. Insert a USB drive with the updated software file into the USB slot on the front of the UDVR.

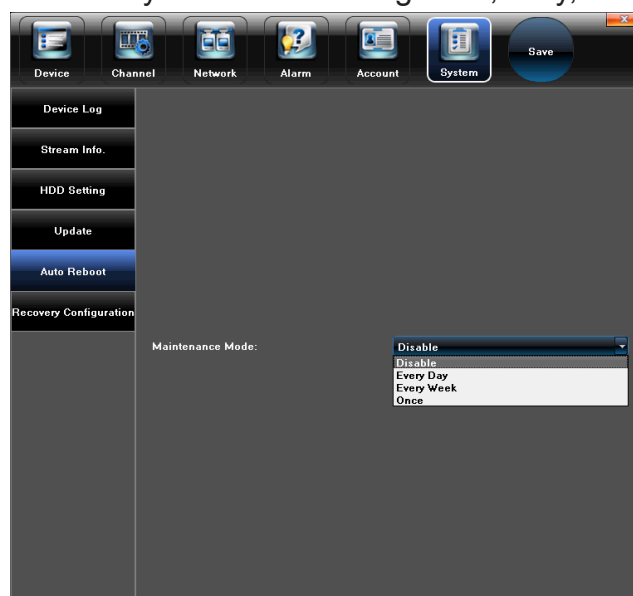


System Screen - Update System

OPTION	DESCRIPTION
<i>Upgrade File</i>	Select Browse to locate the files on the USB drive to upload.
<i>Status bar</i>	Shows percentage complete of uploading new firmware to the DVR.
<i>Upgrade/ Cancel</i>	Click to complete the upgrade process or cancel the process completely.

Auto Reboot Sub-Tab

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



System Screen - Auto Reboot

Recovery Configuration Sub-Tab

Export or import a recovery configuration file. Insert a USB device into the USB port on the front of the UDVR.



System Screen - Recovery Confirmation

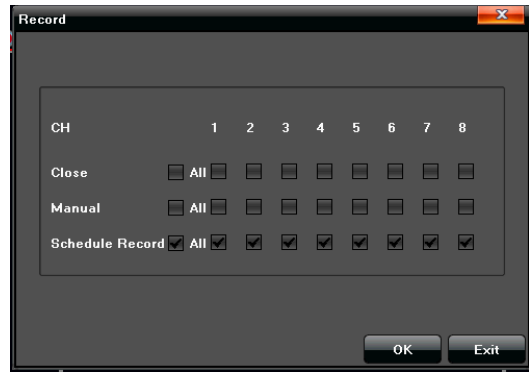
OPTION	DESCRIPTION
<i>Export Configuration</i>	Select the device on which to export the system's configuration.
<i>Import Configuration</i>	Select the file to import containing the new configuration.
<i>Default</i>	Select the UDVR category to return to default configuration: <ul style="list-style-type: none">• Network• Account Setting• Stream Type• Alarm• Display Setting• Schedule Record• Other

Record



Main Menu - Record

The **Record** screen enables video recording (manual or scheduled) for specific channels or for all channels. (See page 28 for details on setting up a recording schedule.)



Record Screen

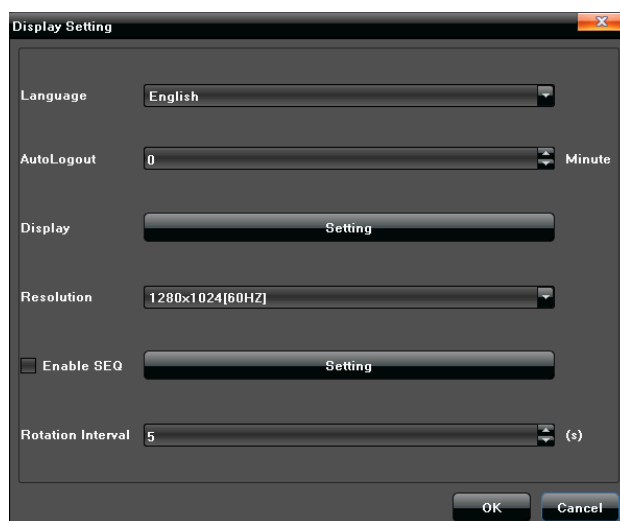
OPTION	DESCRIPTION
<i>Close</i>	Stop recording.
<i>Manual</i>	Select this option to enable manual recording. Once you select Manual, a red circle displays on the Live view screen. Click on that red circle to start and stop manual recording. See page 14 for an image of the Live view screen.
<i>Schedule Record</i>	Select this option to enable automatic recording according to schedules previously set up.

Display Setting

Display Setting fields set up how the TV or monitor displays video.



Main Menu - Display Setting



Display Setting Screen

OPTION	DESCRIPTION
<i>Language</i>	Select the display language (English, Français, or Español).
<i>AutoLogout</i>	Set an time limit for no input. If no input during this time limit, the system automatically logs out.
<i>Display</i>	Adjust the following display parameters: <ul style="list-style-type: none"> • Brightness • Contrast • Saturation • Hue • Transparency
<i>Resolution</i>	Select a resolution to match the connected TV or monitor.
<i>Enable SEQ</i>	Click the icon in front of “Enable SEQ” to include the channel in the image rotation.
<i>Rotation Interval</i>	Set the amount of time live video displays on a single camera before it cycles to another.

Image Setting

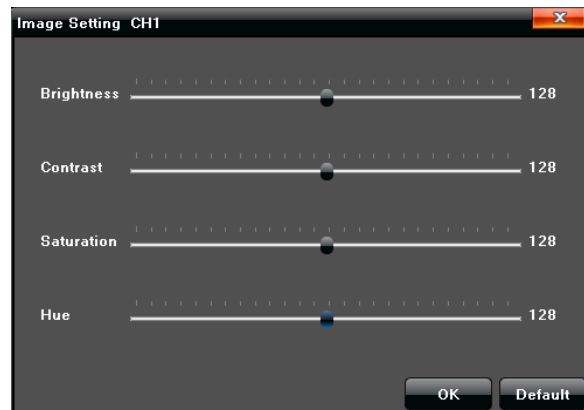
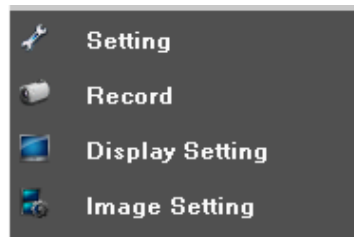


Image Setting Screen

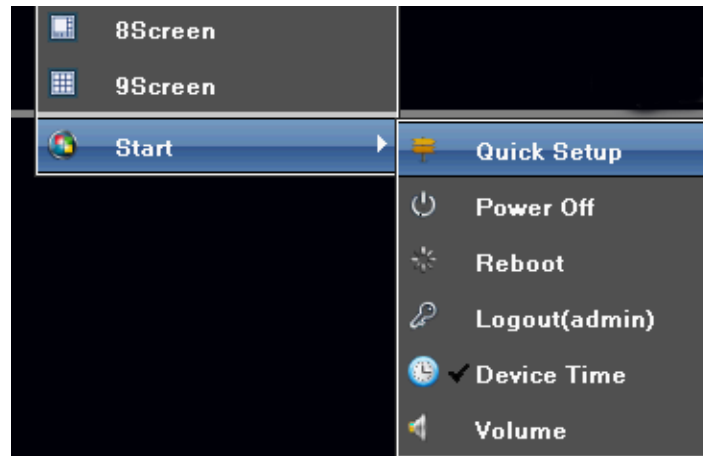
Click on each slider to adjust the following items in the **Image Setting** screen:

- Brightness
- Contrast
- Saturation
- Hue

START 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.

- Language
- Display Setting
- Network Setting
- QR Code

Power Off

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

Reboot

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

Logout

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

Device Time

Click **Device Time** to display the date and time in Live view.

Volume

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

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

BASIC OPERATION

How do I ...	Try this...
Set up a recording schedule?	<ol style="list-style-type: none"> 1. Select Main Menu/Setting/Channel/Schedule Record. Schedule Record screen displays: To set up a recording schedule: <ul style="list-style-type: none"> • Enable Recording – Checked • All Day Recording – Unchecked • Select Channel to record 2. Select Record Time/Setting. The Schedule screen displays. You can set up to 8 recording periods per day per channel. Scroll up and down to select time range (24-hour format). 3. When time set, select Copy to➤ and select a day to copy the schedule to (or Whole Week to apply the setting to every day through the week) for that specific camera. 4. Now you can copy that schedule to other cameras. Select Copy To from the Schedule Record screen. The Camera selection screen displays. 5. Select a specific camera(s) or ALL cameras. Select OK. The Schedule Recording screen displays again. 6. After you've finished setting the recording schedule(s), select the Save button on the top icon bar.
Set up motion detection recording?	<ol style="list-style-type: none"> 1. Select Main Menu/Setting/Channel/Schedule Record. Schedule Record screen displays. 2. Select a channel; select Motion in "Trigger" section under schedule. 3. Copy to other channels if needed. 4. Save 5. Select X to exit and return to Live video display.
Play back recorded files?	<ol style="list-style-type: none"> 1. Select Main Menu/Playback. Playback Main screen displays. (See page 17). 2. Select a camera (or all) to view recorded files. A blue recording box displays on the 24-hour log on the bottom of the screen for each block recorded for the selected camera. 3. Double-click a blue box. Recorded video plays for all cameras that have a recording for that time period. 4. Click the X in the upper right corner to stop playback and return to Live view.

How do I ...	Try this...
Set up alarms	<p>Similar to setting up Motion Detection. Select Alarms in Step 2 above. The Alarm screen displays. There are 3 subscreens:</p> <ul style="list-style-type: none"> • Alarm Input – Configure the channel alarm, when the channel should be armed, etc • Alarm Output – Configure how the alarm is output to the receiver, arming schedule (wasn't that done in Alarm Input above?), etc. • Exception – Configure how the alarm displays (alarm on monitor, Pop Up message, etc) <p>Complete all three screens per channel.</p>
Cancel alarms?	<ol style="list-style-type: none"> 1. Main Menu/Alarm. A list of alarms displays. 2. Select Disarm. All alarms are disarmed.
Perform a manual backup?	<ol style="list-style-type: none"> 1. Insert flash drive into front of device. 2. Select Main Menu/Backup; backup screen displays. 3. Select the camera files to back up (or all) and the From and To dates/times to back up. 4. Select the backup location (drive, etc). If no locations display, select Refresh. 5. Select Start. A progress bar displays. 6. When the backup is complete, select Unmount USB. Remove the USB and store it in a safe place.
Find the device log?	Main Menu/Settings/System/Device Log
Manually record from a camera?	<ol style="list-style-type: none"> 1. From Main Menu, select Record. The Record screen displays. 2. Select Manual to allow manual recording. Select OK to save changes and return to live video. 3. The red circle mentioned previously should display. <p>A red circle displays in the lower right-hand corner of each camera's display. If it is there, click on it to begin recording. Click on it again to stop.</p> <p>If the red circle is NOT there, you must enable manual recording. See page 47.</p>

How do I ...	Try this...
Take and view snapshots from live video?	<p>To take snapshots: There are 2 methods of taking snapshots:</p> <ul style="list-style-type: none"> • Select the camera icon in the lower right-hand corner of the camera screen. The screen displays Completed when the snapshot is taken. • From the Main Menu, select Capture. The screen displays Completed when the snapshot is taken. <p>To view snapshots:</p> <ol style="list-style-type: none"> 1. Click File Manager in the Main Menu. 2. In the File Manager screen, click Refresh to verify that the snapshot taken is listed. 3. Double click the file name in the left portion of the screen to display the snapshot.

REMOTE ACCESS

You can also remotely access your UDVR 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.

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 DVR firmware version.
2. Go to <http://unidensupport.com/Find-Your-Product/Downloads> and look for your UDVR system. 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 the DVR.
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 DVR 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 DVR will reboot and the upgrade is complete.

MAINTENANCE

Use a damp cloth to wipe down the outside casings of the receiver hardware. 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](https://www.earth911.com) to find an electronics recycling facility in your area.

SPECIFICATIONS

System	UDVR46x4 4 Channel/ 4 Camera	UDVR86x4 8 Channel/ 4 Camera	UDVR86x8 8 Channel/ 8 Camera
Pentaplex	View, Record, Playback backup, Remote Monitoring		
# Channels	4	8	
Video In	4 BNC	8 BNC	
Video Out	1 BNC		
HDMI	Yes		
VGA Out	4		
Audio In	1		
Audio Out	1		
USB Ports	1 Front, 2 Back		
Alarm In	Yes		
Alarm Out	Yes		
Video Input Resolution	1920 x 1080		
PTZ Control	RS-485 Pelco & P Protocol		
Power	12V		
DISPLAY			
Live Display 4 Channel	full, quad		
Live Display 8 Channel		full, quad, 8, 9	
Live Display Speed (4 ch)	NTSC: 30fps each channel		
Live Display Speed (8 ch)		NTSC: 30fps each channel	
Navigation	Mouse		
Motion Area Masking	22 x 17		
Sensitivity Levels	6		
FW Upgrade	USB, Internet		
Security	Set by admin		
Time Sync	NTP Server		
Recording			
Video Compression	H.264 High Profile Level 4.2		
Audio Compression	G.711		
Recording Resolution	1080P		

System	UDVR46x4 4 Channel/ 4 Camera	UDVR86x4 8 Channel/ 4 Camera	UDVR86x8 8 Channel/ 8 Camera
Frame Rate	1-30 fps		
Recording Quality	16 - 8000 kbps		
Substream Resolution	720P, 960 x 480, 640 x 480, 640 x 360, 320 x 240		
Frame Rate	1-30 fps		
Resolution Settings	Camera dependent (each)		
Recording Schedule	Calendar style, by hour, day, recording mode, by channel		
Pre-recording	Up to 30 seconds		
Post-Recording	Up to 5 minutes		
Watchdog	Yes, Auto-recovery		
Playback			
Playback Speed	Variable, up to 16x		
Search	By Time and Event		
Log Search	Motion detection, configuration changes, connects/disconnects, video loss		
STORAGE AND ARCHIVE			
Storage	1 HDD (SATA), 1 TB included		
Max Capacity	4TB		
Backup Media	USB Flash and HDD		
Backup File Format	AVI		
Recording time (max channels + max cameras + 1TB drive)	6 days @ 1080p 13 days @ 720p 17 days @ 960h	3 days @ 1080p 6 days @ 720p 9 days @ 960h	
CONNECTIVITY			
Connection	Uniden Cloud-based P2P server		
Supported OS	Windows		
Remote SW	PC and Mac		
Email Notification	Yes		
SmartPhone, Tablet support	iPhone, iPad, Android		
DDNS	Free		
System Configuration	Uniden P2P Cloud Server		

System	UDVR46x4 4 Channel/ 4 Camera	UDVR86x4 8 Channel/ 4 Camera	UDVR86x8 8 Channel/ 8 Camera
Ports	Automatic and Programmable		
Network Protocol	TCP/IP, ONVIF, HTTP, DDNS, SMTP(SSL), DHCP, PPPOE, NTP, P2P		
Network Interface	RJ-45, 10/100 Base TX		
Camera Specs			
Image Sensor	1/2.8" Sony CMOS, 2.43 Megapixel		
Video Format	NTSC/PAL		
Effective Pixels	H: 1920 V: 1080		
Resolution	1080P		
Lens/Type	Fixed		
Max Aperture	3.6mm		
FOV	70°		
Scan	Progressive		
Sync System	Internal		
IR LED	850nm, 30 pieces		
ICR	Yes		
Night Vision Range	100ft+ Total Darkness		
Min Illumination	0.05 Lux w/o IR LED; 0 Lux w/ IR LED		
Video Output	BNC		
Cable	BNC Video/Power		
Cable Length	100ft		
Power	12V		
Power Consumption	<15W (With HDD)		
Operating Temp	14° F to 131° F (-10° C to 55° C)		
Operating Humidity	10% - 90% RH		
Environmental Rating	IP66		
Casing	Metal		

COMPLIANCE AND WARRANTY

FCC COMPLIANCE

This device complies with Part 15 of the FCC rules. Operation is subject 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.

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

Avis de conformité à la FCC : Ce 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.

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

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

