Uniden®

DIGITAL VIDEO RECORDER
UDVR45-4   UDVR85-4
UDVR85-8

CUSTOMER CARE

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase. Refer to our website - www.uniden.com - for FAQs and other troubleshooting assistance.

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.

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

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.

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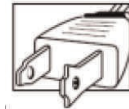
   - A grounding plug has two blades and a third grounding prong.

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. **Accessories -** Only use Uniden or Uniden recommended accessories.

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.

2. **Conditions Requiring Service -** Unplug this device from the wall outlet and go to www.uniden.com for FAQs:
   - 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 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.
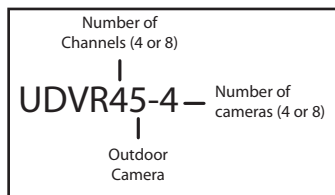
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INTRODUCTION

OVERVIEW

The UDVR system operates with an embedded LINUX operating system for increased stability. It also introduces standard H. 264 video compression and G. 711 audio compression technology which provide high quality, detailed playback and analysis. TCP/IP network technology provides the UDVR system with strong network data transmission and remote control operation.

The UDVR works as a stand-alone surveillance system or as part of a larger surveillance network. Its professional network video surveillance software provides strong network communication and telecommunication ability.

ABOUT THIS MANUAL

This manual provides operating procedures for UDVR system. The 3 UDVR models operate identically. There are only 2 differences between the models: the number of channels and the number of cameras.

```
                Number of
              Channels (4 or 8)
                    |
      UDVR45-4 —  Number of
                    |    cameras (4 or 8)
                Outdoor
                Camera
```

- UDVR45x4: 4 outdoor cameras, 4 channels.
- UDVR85x4: 4 outdoor cameras, 8 channels.
- UDVR85x8: 8 outdoor cameras, 8 channels.

All procedures apply to all models unless specifically noted. Some screen illustrations show entries for all 8 channels and some show for only 4 channels.

PRODUCT FEATURES

- 3 USB ports (1 in front - mouse, 2 in back - mouse and external USB device)
- Operates through mouse or through Uniden's free ProHD app. Motion masking area 22 x 15
- 8 Sensitivity levels
- Variable playback speed (up to 16x)
- Record search by time and event
- Night vision to 100 ft in total darkness
- 12V, 500mA power (<6W power consumption)
- IP66 Environmental rating

WHAT'S IN THE BOX

UDVR Receiver	Cameras (4 or 8)	Camera Power Supply (1 or 2)	HDMI Cable (6 ft)
BNC/Power Cables (1 or 2)	UDVR Receiver Power Supply (1)	Ethernet Cable	USB Mouse
	Not Shown:		
100 ft. Camera/ Power Splitter Cable (4 or 8)	Quick Start Guide 1 TB Hard Drive (installed) Hex Keys		

INSTALLATION AND SETUP

INSTALLATION

VGA cable (cable NOT included)
between PC monitor and receiver.

Yellow video out cable to
your TV.
(Not recommended)

Router
(not included)

RS485 for PanTilt
Camera Support
(optional)

HDMI Video Cable - into
an HD TV or HD monitor

*UDVR45x4 shown. UDVR85x8 equipped with
respective number of video inputs.*
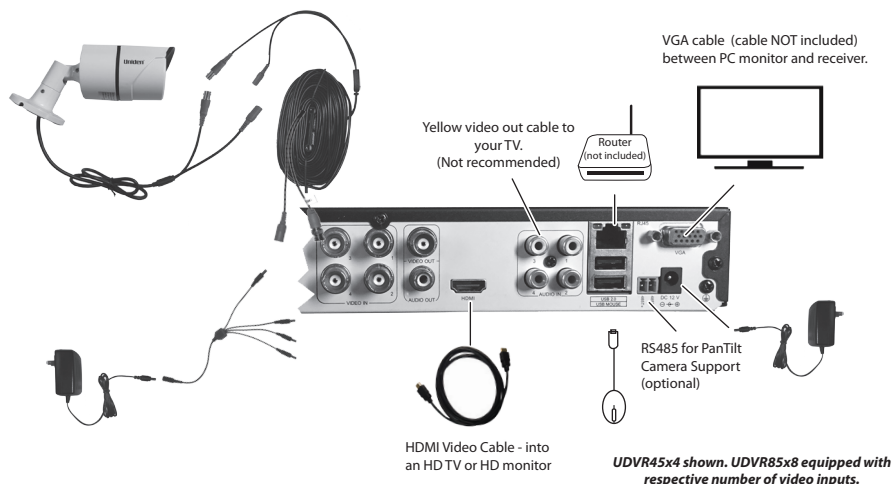
Connect Camera to UDVR Receiver and to Power

1. Connect the camera's video out to the video/power splitter cable and connect camera's power connector to the BNC/Power Camera power connector.

   The connectors are labeled TO CAMERA SIDE ONLY and TO DVR SIDE ONLY.

2. Connect video connector on other end of BNC/Power Camera cable to DVR receiver camera port.

3. Connect power connector on other end of BNC/Power Camera cable to one power connector on the Power/Splitter cable.

4. Connect Power/Splitter cable to Power Adapter and plug Power Adapter into wall outlet.

5. Repeat with other cameras.

6. Connect each camera and cable to the DVR and verify operation before physically installing in its final location.

Connect Mouse

Plug the mouse into the DVR receiver USB port labeled USB MOUSE.

> ***You can also plug the mouse into the USB port of the front of the DVR receiver if required.***

Connect Router

Connect the router's ethernet cable to the DVR receiver's RJ45 slot.

Connect Monitor or HD Television to DVR Receiver

Connect the DVR receiver to an HD television or monitor or to a VGA monitor.

Connecting to HD Television or Monitor

1. Plug an HDMI cable into the DVR receiver's HDMI port.
2. Plug the other end into the HDMI port on the television/monitor.
3. Plug the TV/monitor's power cable into power.
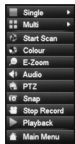
Connecting to Monitor

1. Plug a VGA cable (not included) into the DVR receiver port marked VGA.
2. Plug the other end of the VGA cable into the similar port on the back of the monitor.
3. Plug the monitor's power cable into power. Live video from your connected cameras will display on your monitor.

SETUP

Live video displays when you power up the system. However, until you log in, you can only view live video; you cannot access any other system operations.

System Login

1. Right-click on the screen. The system menu displays.	
2. Select any option. The *Login* screen displays.	
3. The default values are *admin* (user name) with no password. Select *Login*. The system displays the active screen for the selection you made in the previous step. (See page 53 to set up a password.) ***It is strongly recommended you add a password to the admin account and to all other accounts you may add to the system.***	

Required Settings

Set the system date and time so recorded files will be correctly timestamped. Next, create a password for the "admin" user.

Set Date and Time

The correct date and time are critical for the timestamp on recorded files. If the timestamp is incorrect, searching for a specific recorded file will be difficult.

 From *Main Menu/Setup/Basic*, select the *Date & Time* tab. See page 27 for detailed descriptions of the tab's fields.

Set Password

Passwords prevent unauthorized access to system configuration screens. The Admin user originally has no password so you can log into the system for setup.

> ***Uniden strongly recommends that, once you have logged into the system, you create a password for the Admin user.***

From *Main Menu/Users/User Management*, select the *Password* field. See page 53 for a detailed description on how to set up a password.

Default Operation Settings

Uniden's default settings allow you to begin monitoring your DVR immediately. After you have monitored your DVR for a week or two, you may find you need to slightly adjust your settings. For example, you may need to mask areas from motion detection (trees, etc).

HOW DO I -

Search for Files

There are three basic methods for searching files – search for files within a certain timeframe, search a timeframe for triggered files, and search for events through the Information screen. The first two methods use the *Search* screen (*Main Menu/Search*).

1. Select *Main Menu/Search*. The *Search* screen displays.
2. Select the *Time Search* tab to find files within a specific time frame or the *Event Search* tab to find motion sensor, sensor-triggered, or all triggered files.

To search for events through the *Information* screen:

1. Select *Information/Event* list. The *Event List* screen displays.
2. Set up what time frame and which cameras you want to search and whether you want to search for Motion, Sensor, or Video Loss (this screen is similar to the *Search* screen above).
3. Select *Search* tab and records that meet those criteria display.

Play Back Recorded Files

- Select *Playback* on *System* menu to view the last 30 minute segment.

- Go to *Main Menu/Search* (Time Search or Event Search tab). Select the camera/time frame/event frame you want to view and select *Search*. A list of recorded files displays. Double click on the file to view. A control panel displays across the bottom of the recorded file playback display.

                     (1)   (2) (3)   (4)
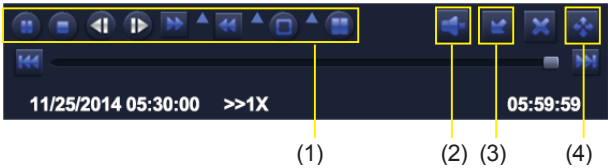
(1) Playback control

(2) Channel audio switch (Not available on all models)

(3) Function Hidden key

(4) Operate playback

Playback control details as follow:

BUTTON	FUNCTION	BUTTON	FUNCTION
	Play/Pause		Next Frame
	Fast Forward		Previous Frame
	Play previous file		Playback
	Single-screen display		Play next file
	Multi-Screen Display		

Select Pause to advance the recorded video frame by frame.

Find and View Snapshots

Go to *Main Menu/Search* (Image tab). Set the time frame to search for images and select the Search button. See page 63 for details.

Mask Motion Sensitive Areas

Motion masking sets up areas to be ignored by the motion sensor. Go to *Main Menu/Setup/Alarm/Motion* (Motion tab, Area field). The screen displays a Live view image with a grid overlay. See page 44 for details.

Block Off Areas to Not Record

Video blind blocks off up to 4 areas from recording. Go to *Main Menu/ Setup/Live* (Video Blind tab). Select the masking area for the camera you want and a live view of that camera displays. Left-click and drag a rectangle over the area to block off. See page 32 for details.

Set Up Email Notification and Alert

Go to Main Menu/Setup/Network (Email tab). See page 49 for field descriptions and details.

Configure Alarms

Go to Main Menu/Setup/Alarms. Select the type of alarm (Sensor, Motion, Video Loss, or Other Alarm). See page 39 for details.

Create a Recording Schedule

Go to Main Menu/Setup/Schedule. You can set up alarms by a specific calendar schedule or according to sensor type. See page 36 for details.

Transfer Recorded Files from the Hard Drive to a USB Device

Insert a USB drive into the USB port on the BACK of the unit. Go to Main Menu/Backup. Select the files you want to back up (see page 64 for details), then select *Backup*. The files are saved to the USB drive.
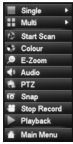
Add or Change a Password

Go to Main Menu/Setup/Users/User Management (Change Password button). The screen prompts for old and new passwords. See page 53 for details.

BASIC OPERATION

Live video displays when you power up the system. However, until you log in, you can only view live video; you cannot access any other system operations.

SYSTEM LOGIN

1. Right-click on the screen. The system menu displays.	
2. Select any option. The *Login* screen displays.	
3. The default values are *admin* (user name) with no password. Select *Login*. The system displays the active screen for the selection you made in the previous step. (See page 53 to set up a password.) *It is strongly recommended you add a password to the admin account and to all other accounts you may add to the system.*	

LIVE VIEW

Live view displays video images from all operational cameras. The date, time, and camera number display in each viewing window. The recording and alarm status icons display in the lower left-hand corner of each window.

Double-click the left mouse button on a live view image to view that image in full screen rather than in a multi-view window. Double-click the left-mouse button again to return to multi-view.
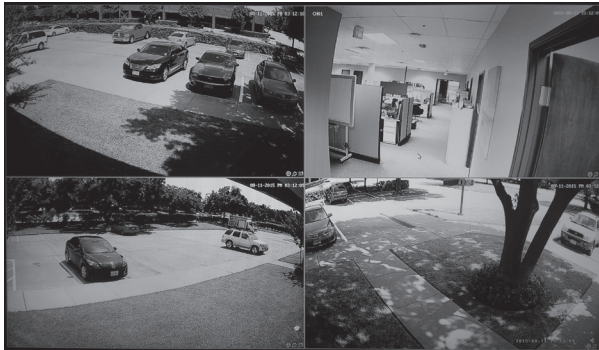
IMAGE	MEANING
[ ]	Recording Type - indicated by box color • Green - Manual or triggered recording • Yellow - Motion detection recording • Blue - Timing recording • Red - Alarm recording
	Motion Detected. This icon displays when the camera for that view detects motion.
	Audio Recording On
	Network Disconnected
DD/MM/YYYY HH:MM:SS	Date and Time Stamp for recorded files

SYSTEM MENU

In Live view, right-click on any screen to bring up the *System* menu. Right-click again to close the *System* menu.

The *System* menu manages the UDVR receiver and cameras. Use it to configure and manage your video, cameras, and recordings. Many of these menus are shortcuts to commonly-used actions from the *Main Menu* screen.
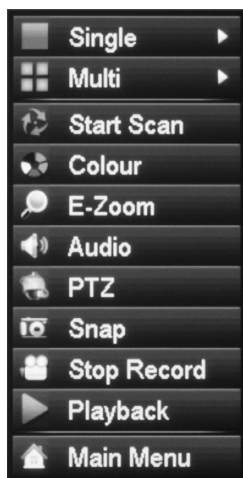
MENU ITEM	DESCRIPTION
Single	Select a camera to display in full screen. Double click the left mouse button to return to Multi channel mode.
Multi	Select this menu option from Single channel mode to display all 4 cameras in multi-view mode.
Start Scan/ Stop Scan	Turn Scan operation on and off. (You must first set up scanning parameters such as how long a specific camera displays before moving to the next camera.
Colour	Set image parameters for all channels. The image parameters include: brightness, contrast, saturation and hue.
E-Zoom	When the screen is in single camera mode and E-Zoom is selected, that camera zooms in for a close up view. The full view displays in the lower left corner. Right-click to return to full view.
Audio	Set startup, turn-off and silent mode of audio for the channel, and adjust the volume. After select (automatic), it will start up audio of the big picture channel automatically.

MENU ITEM	DESCRIPTION
PTZ	This icon controls a Point/Tilt/Zoom (PTZ) camera, if installed (not included). It can set the PTZ camera's address, Baud rate, and Protocol, and help you set camera movement patterns.
Snap	The UDVR can take snapshots of live video automatically at specific intervals. Set these intervals in the Snap tab of the *Main Menu/Setup/Record* screen. Once that is set up, right click in the live view quadrant of the camera you want to take snapshots. The System menu displays. Select *Snap* and that camera's snapshot cycle activates. A camera icon displays.
Start Record Stop Record	Start and stop recording for a specific channel (the channels showing Live video).
Playback	Play the video files in the hard disk. You can also search the video according to time and event under *Main Menu/Search* to enter the playback interface.
Main Menu	Provides extensive system configuration and operation setup. The Main Menu and its submenus are described in detail beginning on page 24.

MAIN MENU OVERVIEW

The Main Menu screen displays icons that represent various system operations. Click on an icon to configure, operate, and maintain the UDVR system.

> ***Appendix A: Menu Structure shows how the menu, screens, and tabs for screens are organized in the system.***

From the *System* menu, select *Main Menu* (see page 21). The *Main Menu* screen displays.
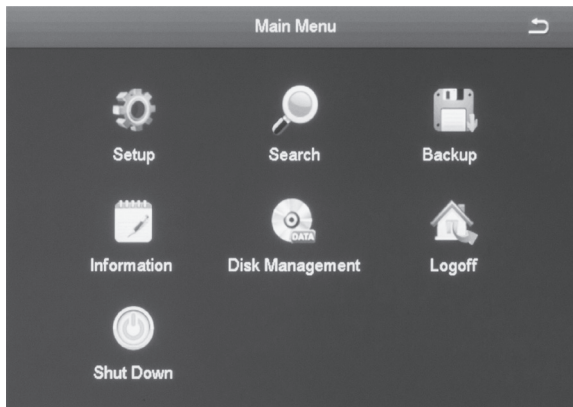
Click on the *Main Menu* icons to select that feature. Icons, submenus, or screens display to help you manage the system. Many of these screens have tabs across the top to further refine operations. Click the ⬅ icon to return to the previous screen.

MAIN MENU ICON	DESCRIPTION
Setup	Click on *Setup* and 9 icons display on the *Setup* screen. These icons lead you through configuring your system. See page 25 for icon and screen details.
Search	Select *Search* to display a 4-tab screen to set search parameters and search for specific recorded files. See page 60 for icon and screen details.

MAIN MENU ICON	DESCRIPTION
Backup	The *Backup* screen lets you set specific time ranges on specific cameras for backup. See page 64 for icon and screen details.
Information	Click on *Information* to view 6 types of system information. See page 65 for icon and screen details.
Disk Management	Select the *Disk Management* icon to view information about the system hard disk and any connected USB drives. See page 68 for icon and screen details.
Logoff	This selection logs you off of the UDVR system. See page 70 for icon and screen details.
Shutdown	This selection powers off the UDVR. See page 70 for icon and screen details.

SETUP ICON

Select the *Setup* icon and the *Setup* screen displays 9 options that help you configure and set up your system.
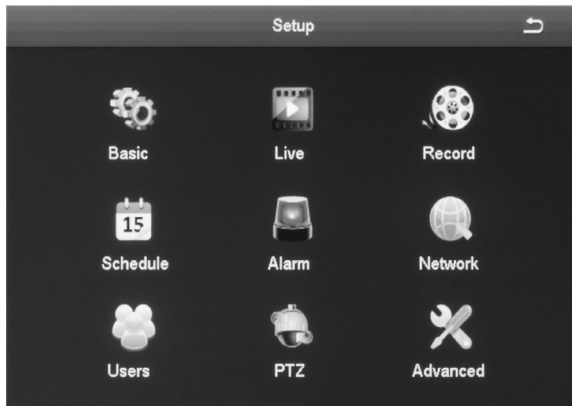
Basic Icon

Select the Basic icon to display the *Basic* screen. The *Basic* screen contains three tabs:

- System
- Date & Time
- Daylight Saving Time (DST)

System Tab

FIELD	DESCRIPTION
System Type	Client or system name. Click the field and a popup keyboard displays. Enter a name if desired.
System Number	Used when managing multiple DVR systems. Click the field and a popup number keypad displays. Enter a sequential number if desired.
Video Format	Support NTSC and PAL format (default = NTSC).
Password Check	Keep checked to require a password to log in.
Show System Time	Choose whether to display time in the field or not.

FIELD	DESCRIPTION
Max Online Users	Set the number of network users visiting the device.
Video Output	User can select VGA 800x600, 1024x768, 1280x720, or 1280x1024 output modes.
Language	Select display language.
Logout After [Minutes]	When there is no action after this set time , the system automatically logs out.
Startup Wizard	Display Wizard (or not) when the system is turned on.

Date & Time Tab

In this interface, set the date format, time format, time zone; you can also adjust the system time manually.

Note: the default time zone of the system is GMT-05:00.

Select *Sync Time with NTP Server* to the correct time. Set the network server time as well.

Uniden strongly recommends setting the network date and time to have an accurate date and time stamp on recorded videos.

FIELD	DESCRIPTION
Date Format	Set date format
Time Format	12 or 24 hour format
Time Zone	Set time zone in GMT format
	• GMT-05:00 - Eastern Standard (Default)
	• GMT-06:00 - Central Standard
	• GMT-07:00 - Mountain Standard
	• GMT-08:00 - Pacific Standard
	• GMT-09:00 - Yukon Standard
	• GMT-10:00 - Alaska-Hawaii Standard

FIELD	DESCRIPTION
Sync Time with NTP Server	Check box to select time sync; uncheck the box to deselect.
NTP Server	Select *Update Now* to sync time.
System Date	Set date through pop-up calendar.
System Time	Set time.

DST Tab

Set the start and end time of daylight saving time by week or date.

FIELD	DESCRIPTION
Enable	Turn DST on or off. This does not set DST; it turns the system's ability to keep track of DST on or off.
Time Offset [Hours]	Select 1 or 2 hour offset.
Mode	Set DST by week or by actual date.

FIELD	DESCRIPTION
From	Set DST beginning date. (Always the second Sunday of March)
	If Mode = Week, set DST by month, number of week, day of week, and hours to be offset (i.e., March/the 2nd/Sunday/02:00:00)
	If Mode = Date, set DST by date according to popup calendar.
Until	Set DST ending date. (Always the first Sunday in November)
	If Mode = Week, set DST by month, number of week, day of week, and hours to be offset (i.e., November/the 1st/Sunday/02:00:00)
	If Mode = Date, set DST by date according to popup calendar.
Default	Select *Default* to use the automatic DST default values.
Apply	Select *Apply* to use the values you just manually set.
Exit	Leave the screen without making changes.

Live Icon

Select the Live icon to display the *Live* screen. The *Live* screen establishes how the screen looks when in Live view. It has 3 tabs:

- Live
- Main Monitor
- Video Blind

FIELD	DESCRIPTION
Camera Name	Enter a camera name for each channel using the popup keyboard.
Color	Click to display the color settings: • Channel number • Brightness • Hue • Saturation • Contrast

Live Tab

Name the camera and set up how the image displays (color, contrast, etc).

1. Select a camera to rename. A keyboard displays.
2. Rename the camera and select *Enter*.
3. Select *Setting* for that camera. A selection screen displays on the live vide screen.

4. Adjust the brightness, hue, saturation, and contrast of the corresponding channel and select *Ok*.

5. Select another channel to adjust. When you are finished, select *Ok*.

6. The *Live* screen displays again.

Main Monitor Tab

This screen lets you determine in what order the cameras' live video displays in the screen's sections. You can also set how long the video pauses on each image before moving to another image (5 to 60 seconds).

Video Blind (Masking) Tab

You can mask off up to 4 rectangular areas in a single screen. No video records from those masked off areas; only a blank box/ rectangle displays.

1. From the *Video Blind* tab, select *Setting* for the channel you want to mask. Video for that channel displays.
2. Press and hold the left mouse button and drag it across the area you want to block. A white rectangle covers the area you indicated. Release the mouse.
3. Right-click to return to the Video Blind tab. Select *Apply* to save your settings.
4. Repeat Steps 2 and 3 up to 3 more times (4 areas selected per screen).
5. To remove video masks, double-click on the area you want to remove; the white rectangle changes to black.
6. Right-click to return to the Video Blind tab. Select *Apply* to save your settings. The masked areas are released.

Record Icon

Select the Record icon to display the *Record* screen. The *Record* screen configures how the files will be recorded. It has 5 tabs:

- Enable
- Record Bitrate
- Stamp
- Recycle Record
- Snap

Enable Tab

Use this tab to determine if the selected camera will record video or audio, or both.
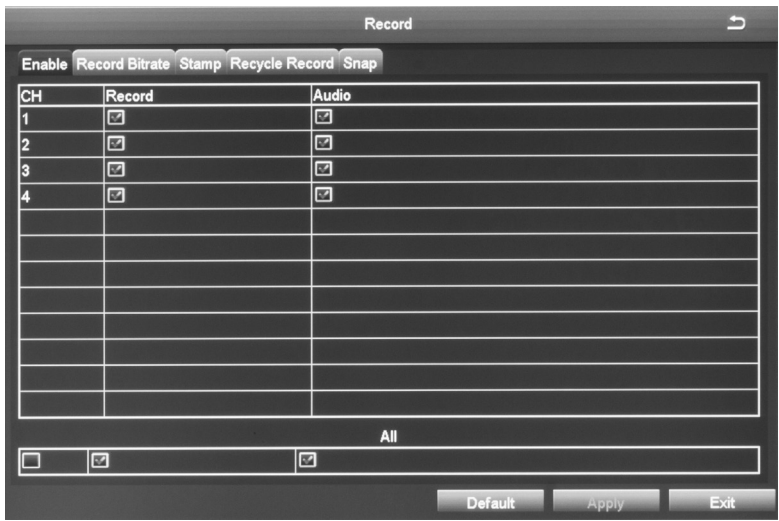
FIELD	DESCRIPTION
Record	Check to set the channel to record video. Uncheck to skip recording video for this channel.
Audio	Check to set the channel to record audio. Uncheck to skip recording audio for this channel. ***Note: Included cameras do not support audio.***

FIELD	DESCRIPTION
All	Apply selections to all channels.

Record Bitrate Tab

This tab allows you to set the recorded file characteristics. You can set a channel to record at a higher quality or a lower frames per second. The resolution, frames per second, and maximum bitrate determine how large a recorded file will be.

FIELD	DESCRIPTION
Resolution	Supports both 720P (AHD camera) and 960H (analog camera) resolution. (Default = 720P)
FPS	Range: 1-30 (Default = 30 fps)
Encode	Support VBR (Variable Bit Rate) and CBR (Constant Bit Rate) (Default = Variable Bit Rate)
Quality	The higher the quality is, the clearer the video images are.
Max Bitrate	256 kbps ~ 2048 kbps (Default = 1536 kbps)

> ***Check the box on the bottom row to set all channels to the same parameters at the same time.***

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Stamp Tab

Use this tab to turn on (or off) a time stamp on your recorded video and to position the time stamp on the screen.
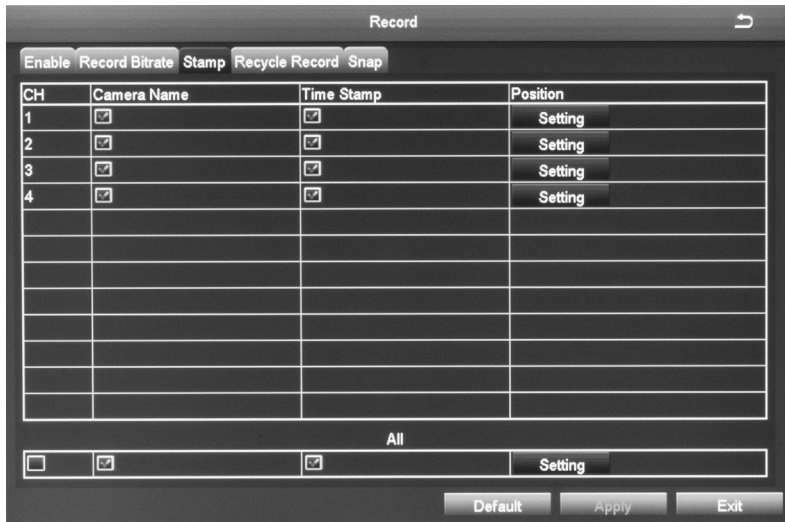
FIELD	DESCRIPTION
Camera Name	Check to display the channel name.
Time Stamp	Check to display the time on this channel.
Position	Move the date/time block to a different area of the screen

1. Select *Setting* on the *Stamp* tab. Live video displays for that channel along with the date/time block in a small text frame.
2. Left-click and hold over the date/time block. Move the block to where you want it to display. Release the mouse and right-click to return to the *Stamp* tab.
3. Select *Apply* to save your changes.

Recycle Record Tab

The *Recycle Record* tab allows the system to automatically overwrite the oldest recorded files and continue recording when the hard disk is full. If it the box is not checked (not enabled), the system stops recording and displays an information message.
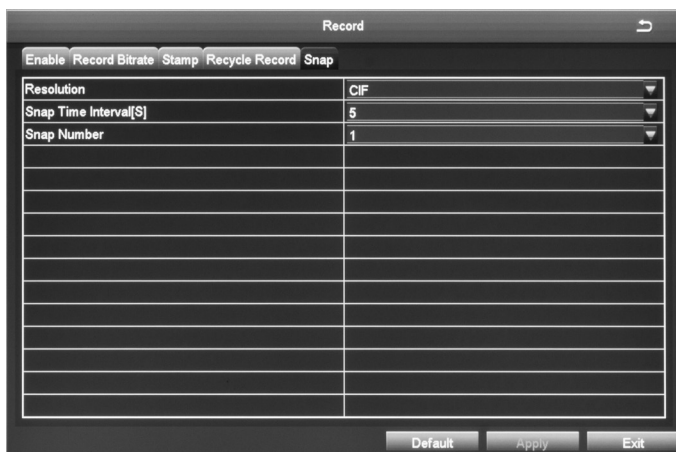
Snap Tab (Snapshot)

In this tab, the user can set the resolution/image quality level, time interval of snapshot, and the number of snapshot for one time.

FIELD	DESCRIPTION
Resolution	CIF
Snap Time Interval	Time interval between snapshots.
Snap Number	Number of snapshots taken at one time.

Schedule Icon

Select the Schedule icon to display the *Schedule* screen. The *Schedule* screen lets you set up recording schedules. It has 3 tabs:

- Schedule
- Motion
- Sensor

Schedule Tab

This tab sets up a basic schedule for recording. (Default = No recording blocks selected)

1. Select a channel (1 ~ 8, or All) whose recording schedule you want to set up.

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2. Select the (🖼️) icon to set 1-hour blocks you WANT that channel to record.
3. Select one-hour blocks to add to the recording setup.
4. When you have the schedule set up as you want it, select *Apply*. The configuration for that channel is now saved.
5. If you want to use that same configuration on another channel, select that channel in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now copied to the second desired channel.
6. If you want to apply the settings from one channel to ALL channels, select *All* in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now copied to all channels.
7. Select *Apply* to save the settings.
8. Select *Exit*.

Motion Tab

This tab sets up a schedule for motion sensor recording. (Default = All recording blocks selected)

1. Select a channel (1 ~ 8, or All) whose motion sensor recording schedule you want to set up.
2. Select the erase icon (![icon]( )) and click on the 1-hour recording blocks you DO NOT want that channel to record.
3. When you have the schedule set up as you want it, select *Apply*. The configuration for that channel is now saved.
4. If you want to use that same configuration on another channel, select that channel in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now saved on the second desired channel.
5. If you want to apply the settings from one channel to ALL channels, select *All* in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now saved on all channels.
6. Select *Exit*.

Sensor Tab

This tab sets up a recording schedule for other motion sensors (not included). (Default = All recording blocks selected)

1. Select a channel (1 ~ 8, or All) whose sensor recording schedule you want to set up.
2. Select the erase icon (![icon]( )) and click on the 1-hour recording blocks you DO NOT want that channel to record.
3. Select one-hour blocks to remove from the recording schedule.
4. When you have the schedule set up as you want it, select *Apply*. The configuration for that channel is now saved.
5. To copy a configuration to another channel, select that channel in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now saved on the second desired channel.
6. To apply the settings from one channel to ALL channels, select *All* in the dropdown box for *Apply Settings To*. Then, select *Copy*. The configuration is now saved on all channels.
7. Select *Exit*.

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Alarm Icon

The UDVR system allows you to set parameters for various types of system alarms. Select the Alarm icon to display the *Alarm* screen. The *Alarm* screen is comprised of 4 icons:

- Sensor. Enable and name the type of sensor you choose for a specific channel.
- Motion. Establish parameters for motion detection as well as a motion detection oeration schedule.
- Video Loss. Set up an alarm notification plan if any cameras lose video.
- Other alarm. Establish alarm system for other types of alarms not previously covered.

Sensor Icon

The *Sensor* screen enables or disables sensor operation for a specific channel. This screen has three tabs:

- *Basic* Tab
- *Alarm Handling* Tab
- *Schedule* Tab

Basic Tab

CH	Enable	Type	Name
1	☑	NC ▼	SENSOR 1
2	☑	NC ▼	SENSOR 2
3	☑	NC ▼	SENSOR 3
4	☑	NC ▼	SENSOR 4
	All		
☐	☑	No. ▼	

Default   Apply   Exit

FIELD	DESCRIPTION
Enable	Check this to allow sensor operation on a specific channel.
Type	Normally Closed or Normally Open
Name	Name the alarm.

Alarm Handling Tab

This tab lets you set what triggers alarms and how long those alarms remain active.

FIELD	DESCRIPTION
Holding Time	Set the alarm delay time for a specific channel. Options are 5 sec., 10 sec., 20 sec., 30 sec., 60 sec., 120 sec., or Always.
Trigger	Select this field to set alarm trigger configuration, trigger recording, PTZ camera linking (PTZ camera not included), etc. Selecting this field displays the *Trigger* screen for a specific channel.
Name	Name the alarm.

Trigger - Channel X Screen

You may reach this screen from other tabs. It lets you set up what happens when an alarm is triggered (the camera takes an automatic

snapshot, the buzzer sounds, etc), and indicates which cameras to start recording when triggered. It has three tabs:

- Alarm
- To Record
- To PTZ

Trigger - Channel X screen (Alarm Tab)
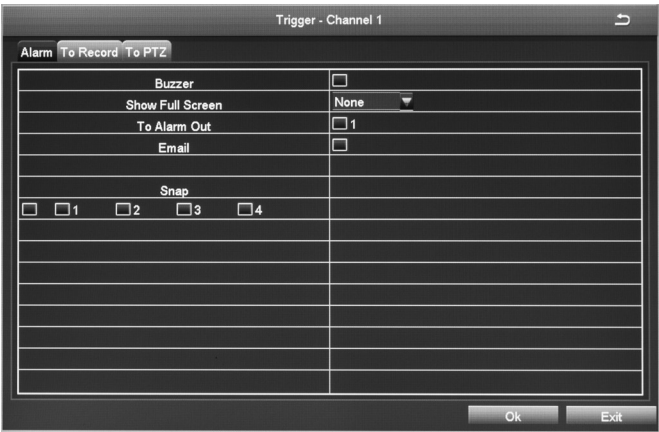
FIELD	DESCRIPTION
Buzzer	A buzzer sounds when an alarm is triggered if this selection is enabled.
Show Full Screen	A big screen popup alarm displays when an alarm is triggered.
To Alarm Out	This tab directs alarms to optional alarms (not included) added to the system.
Email	When enabled and an alarm is triggered, the system sends information relevant to the alarm (alarm event, device name, etc.) to the user-specified mailbox.

FIELD	DESCRIPTION
Snap	When enabled and an alarm is triggered, the system automatically takes a snapshot of the selected channel and stores it on the hard disk.
To PTZ	Set PTZ movement parameters Only applies if optional PTZ camera is added to the system.

Trigger - Channel X screen (To Record Tab)

Select which cameras record when an alarm is triggered.

Trigger - Channel X screen (To PTZ)

Only applies if PTZ camera is installed (not included).

- Sets what type of action to take (Preset/Cruise/Track/None).
- Sets which point the PTZ camera will rotate to if preset selected.

Schedule Tab

Use this tab to set a time frames for the alarms to be active. This tab operates in the same way as the *Schedule* screen. See page 36 for details on setting up a schedule.

Motion Icon

Select the Motion icon to display the *Motion* screen. This screen has 2 tabs: Motion and Schedule.

Motion Tab

When a camera detects a motion, the system sounds a motion detection alarm and takes action according to presets from this screen. The *Trigger* and *Area* fields lead to other screens to set parameters.

FIELD	DESCRIPTION
Enable	Enable this function on a channel to detect motion.
Holding Time	Set an alarm delay time for the channel. Options are 5 sec., 10 sec., 20 sec., 30 sec., 60 sec., and 120 sec., or "Always."
Trigger	The *Trigger* screen is the same as on page 41.

FIELD	DESCRIPTION
Area	Commonly called "motion masking," a grid overlays a selected camera's live video with task bar at the bottom. Mask off areas you want the motion detection to ignore. You can also determine motion sensitivity (block off ceiling fans, or the floor area if you have pets.)
	In this interface, drag the scrollbar to adjust the sensitivity value (1-8). The default value is 6; the smaller the value is, the higher the sensitivity. Since the sensitivity is affected by the color, time (day or night), etc, adjust the value according to the actual situation.
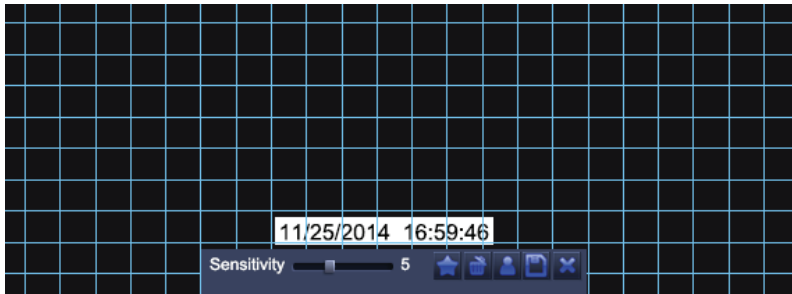
⭐	Set all areas to be detection area	🗑	Clear the set detection areas
👤	Drag the mouse to test whether the sensitivity value and the detection area are appropriate or not	💾	Save the settings
✖	Exit		

Schedule Tab

Select *Trigger* for the camera you want to set. The *Trigger* screen for that channel displays.

> **See page 41 for a detailed description of the trigger screen.**

Video Loss Icon

If you lose video from a camera (someone cuts the cable), the system alerts you according to the presets from this screen.

Select *Trigger* for the camera you want to set. The *Trigger* screen for that channel displays.

> **See page 41 for a detailed description of the trigger screen.**

Other Alarm Icon

FIELD	DESCRIPTION
Alarm Type	Select one of the following from the drop-down menu: • Hard Disk Full • Network Address Conflict • Disconnection • HDD Attenuation Warning • Disk Loss
Buzzer	The system emits 2 long beeps when an alarm occurs (Not available on all models.)
Email	When enabled and an alarm is triggered, the system sends information relevant to the alarm (alarm event, device name, etc.) to the user-specified mailbox.
To Alarm Out	When enabled, triggers will send an alarm to the specified alarm output.
Disk Shortage Alarm	Select a minimum disk capacity to trigger a Disk Shortage Alarm.

Network Icon

Select the Network icon to display the *Network Configuration* screen. This screen includes five tabs:

- Network
- Sub-Stream
- Email
- WiFi Setup
- DDNS

Network Tab

Do not change these presets. This is for information purposes only.

FIELD	DESCRIPTION
HTTP Port	Default = 80.
Server Port	Default = 5000.
Mobile Port	Default = 5001.
Obtain an IP Address Automatically	Default = Checked ***Uncheck this option when you manually assign a static IP address.***
IP Address	IP address of the device. Leave blank if *Obtain an IP Address Automatically* is checked.
Subnet Mask	Device's subnet mask. Leave blank if *Obtain an IP Address Automatically* is checked.
Gateway	Device's default gateway. Leave blank if *Obtain an IP Address Automatically* is checked.
Preferred DNS	Preferred DNS address. Leave blank if *Obtain an IP Address Automatically* is checked.
Alternate DNS	Alternate Domain Name Server address. Leave blank if *Obtain an IP Address Automatically* is checked.
PPPOE	Enable this to automatically establish a PPPOE network connection with the ISP.
User Name	User (login) name used for PPPOE connection.

FIELD	DESCRIPTION
Password	Enter the set password.
Test	Click Test and it will check that the IP address and PPPOE information are valid.

Sub-Stream Tab

This screen sets the type of video you receive on your mobile device.

FIELD	DESCRIPTION
Resolution	Supports CIF
FRS	Choice range = 1 - 6
Encode	Support VBR and CBR (Default = VBR)
Quality	Select one of the following quality levels: • Lower • Low • Medium • Higher
Max. Bitrate	Select a bitrate from the dropdown box (23kbps ~ 768 kbps). (Default = 64)
Check the box on the bottom row to set all cameras' parameters to the same thing at the same time.	

Email Tab

This tab helps you set up how you receive email notifications. You may need to get this information from your internet or email service provider . (A G-mail account is a good option.)

FIELD	DESCRIPTION
STMP Server	Mail server address can be IP address and domain name (if domain name, confirm that the DNS setting is right, then it can be correctly resolved) e.g.: smtp.gmail.com
Port	Mail server port number (dependant on your provider)
SSL Check	Provides secure socket layer for login.
Send Address	Your email account from your provider.
Password	Password corresponding to sender's email password.
Receive Address	When an alarm is generated, the system will send email to the specified mailboxes. ***No more than 3 mailboxes are available.***

FIELD	DESCRIPTION
Test	Tests whether or not the current configuration is successful.

WiFi Setup Tab

Not Supported.

DDNS Tab

Use this tab to set up access to the DVR device through the internet if the DVR is connected directly to the internet.

> ***Not recommended if using P2P (standard) connection.***

> ***If the DVR is connected to a router, configure DDNS in that router.***

FIELD	DESCRIPTION
DDNS Server	DNS service provider. Default = www.no-ip.com)
User Name	Account name used to register domain name.
Password	Registered account's password.
Host Domain	Domain name of the DNS server

1. Enable DDNS on your network.

2. Select the server your system will connect through. (Default - www.no-ip.com).

3. Provide a user name and password.

4. Enter the host domain name.

5. Select how long between updates between the DVR and the computer.

6. Enable UPNP.

7. Select *Apply*.

Users Icon

Selecting this icon brings up the *User Management* screen. This screen allows you to add and delete users and to change the passwords of existing users.
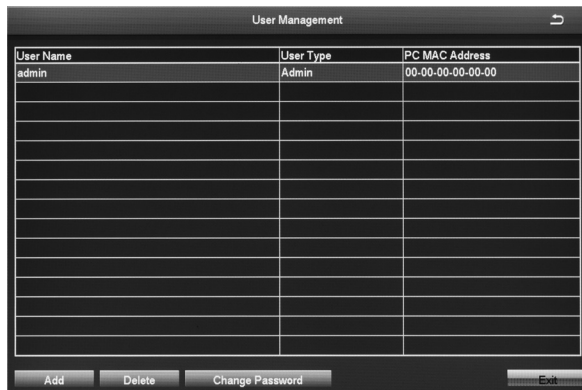
> ***The admin user does not have a password. Uniden strongly recommends that you add a password to the admin user account.***

Adding a User

Select the *Add* button at the bottom of the to display the *Add User* screen. This screen has 2 tabs:

- General. Initial user setup (User name, password, user type, etc.)
- Authority. Grants new user access to specific elements of the system (Remote login, manual record, remote live view, etc.)

General Tab

FIELD	DESCRIPTION
User Name	Provide a user name.
Password	Enter user's password to the system
Confirm Password	Reenter user's password
User Type	Normal or Advanced
Binding PC MAC Address	MAC address of the PC allowed to access remotely.
PC MAC Address	Computer's unique hardware number.

NOTE: If a computer's physical address is 0, the UDVR system does not bind to a specific computer and the user can use any computer to log into the client to use the DVR. However, once a specific computer's physical address is entered, the user can only use that specific computer log into the client to use the DVR.

Authority Tab

This tab allows you to customize what each user can access. Click on the corresponding box to enable/disable access.

- Log Search
- Remote Login
- File Management
- Disk Management
- Manual Record (per camera)
- Backup (per camera)
- Remote Live View (per camera)

- Two Way Audio
- System Setup
- Shut Down
- Live View (per camera)
- Playback (per camera)
- PTZ Control (per camera)

Deleting a User

1. Select a user from the *User Management* screen.
2. Select *Delete*. The system displays a confirmation message.
3. Confirm deletion.

Changing a Password

1. Select *Change Password* from the *User Management* screen.
2. The *Change Password* screen displays.

	Change Password	↰
	Old Password	
	New Password	
	Confirm Password	
	Ok	Exit

3. Enter the fields and select *OK*. A confirmation screen displays.
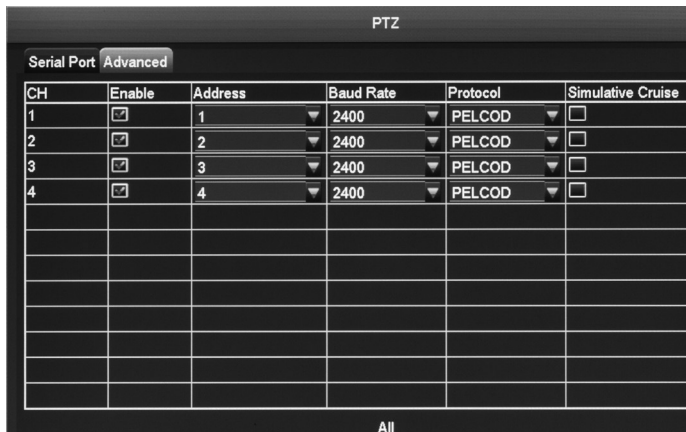
PTZ Icon

Select the PTZ icon to display the *PTZ* screen.

> ***PTZ camera operations vary from camera to camera, and may or may not support all of these features.***

The Point/Tilt/Zoom icon configures an optional PTZ camera. Tabs in this icon help you set movement patterns. These patterns are Presets (move the camera from point A to point B), Cruise (move the camera through multiple points) or Track.

Serial Port Tab

CH	Enable	Address	Baud Rate	Protocol	Simulative Cruise
1	☑	1	2400	PELCOD	☐
2	☑	2	2400	PELCOD	☐
3	☑	3	2400	PELCOD	☐
4	☑	4	2400	PELCOD	☐

All

FIELD	DESCRIPTION
Enable	Check this field to turn on the camera for that channel.

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FIELD	DESCRIPTION
Address	PTZ device address
Baud Rate	PTZ device baud rate. Options are: 110 300 600 1200 2400 4800 9600 19200 34800 57600 115200 230400 460800 921600
Protocol	PTZ device standard communication protocols. Options are: PELCOP PELCOD LILIN MINKING NEON STAR VIDO DSCP VISCA SAMSUNG RM110 HY N-control
Simulative Cruise	Allows the camera to use cruise patterns whether the camera supports PTZ cruise functions or not.

Advanced Tab

This tab helps you create, name, and save PTZ movement patterns for a specific channel. These patterns are Presets (move the camera from point A to point B), Cruise (move the camera through multiple points), or Track.

You can create up to 128 PTZ movement configurations for a channel.

FIELD	DESCRIPTION
Preset	Click on *Setting* to display the *Preset - Channel x* screen.
Cruise	Click on *Cruise* to display the *Cruise - Channel x* screen.
Track	Click on *Setting* to display the *Tracking screen* on the full screen for the selected channel.

In the Preset column, select *Setting* for the channel you want to work with. The *Preset - Channel X* screen displays.

Preset - Channel X Screen

This screen helps you create, name, and save a PTZ configuration for a specific channel. You can create up to 128 PTZ configurations for a channel.

Preset - Channel 1

No.	Enable	Name	Preset
1	☑	preset001	Setting
2	☑	preset002	Setting
3	☑	preset003	Setting
4	☑	preset004	Setting
5	☑	preset005	Setting
6	☑	preset006	Setting
7	☑	preset007	Setting
8	☑	preset008	Setting
9	☑	preset009	Setting
10	☑	preset010	Setting
11	☑	preset011	Setting
12	☑	preset012	Setting
13	☑	preset013	Setting
14	☑	preset014	Setting
15	☑	preset015	Setting
16	☑	preset016	Setting

Ok   Exit

1. Click *Setting*. A pop-up toolbar displays in the bottom of live video.

2. Adjust PTZ to the appropriate location through toolbar buttons.
3. Select a number from the drop down Number list (*No.*) to assign to the Preset.
4. Click *Save* and the preset points are setting successfully. You can set a maximum of 128 preset points.

Cruise - Channel X Screen

Select *Setting* under the Cruise column for a specific channel and the *Cruise - Channel X* screen displays.

You can create up to 8 PTZ cruise selections per channel.

1. Select *Add* to add up to 8 cruise lines
2. Double-click one of the entries and the *Cruise - Preset screen* displays.

3. Select the *Add Preset Point* button. A popup field displays.

Track Screen

Tracking controls display on the bottom of a live video screen for you to adjust the PTZ camera positions and set up preset points.
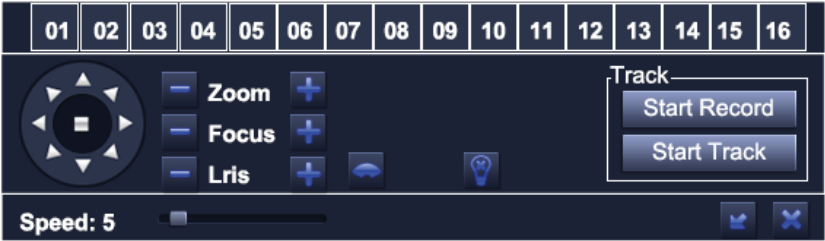
	Add preset point		Delete the preset point
	Modify the selected preset point	Start Recording	Controls PTZ recording tracks.
	Wiper Control	Start Track	Execute the recorded tracks.
	Control external IR devices		Hide function
	Adjust PRZ direction		

> *Note: Each channel can record only one track, and auto-saves after recording is completed.*

Advanced Icon

Select the Advanced icon; the *Advanced Setup* screen displays 3 icons:

- Reset. Return all settings to factory defaults.
- Import/Export. Export system configuration to other devices, eliminating the need to configure devices separately.
- Exit. Returns to *Setup* screen.

Import/Export Icon

If you have to return your DVR to factory settings, all your current settings will be lost. Select the Import/Export icon to copy your

current system configuration to a USB drive to reload after your DVR has been reset.

To Export DVR Configuration to USB Drive

1. Insert a USB drive in the middle USB slot on the BACK of the unit.
2. Go to *Main Menu/Setup/Advanced/Import/Export*. Select *Export* to copy the DVR configuration onto the USB drive. The configuration file should be named similar to: DVR-XXXXX-Config-YYYY-MM-DD-HH-MM-SS.config.
3. Select *Exit* and remove the USB drive.

To Import DVR Configuration from USB Drive

1. Disconnect power to the DVR.
2. Insert the USB drive.
3. Reconnect power. The DVR reboots with the saved configuration.

SEARCH ICON

Select the Search icon and the *Search* screen displays with 4 tabs:

- Time Search. Select this tab to search all channels for files recorded during a specified time period.
- Event Search. Select this tab to search specific channels for recorded events during specific start and end times.
- File Management. Once you have located files for a specific time period, you can select those files for deletion or lock them to prevent them being deleted.
- Image. Search for snapshots.

Time Search Tab

Use this tab if you need to check video for a specific time frame.

1. On the right side of the screen, there is a calendar and a list of cameras. Select cameras to search and then select a specific day to search on calendar. Select *SEARCH*.
2. The left side of the screen displays a simple timeline of all files recorded that day for the specified camera(s). Click in any block

of time to set that as the playback start time. Select ► to view that file.

3. The video plays back in full screen for that search from the time selected. Icons on the playback bar allow you to control the video.
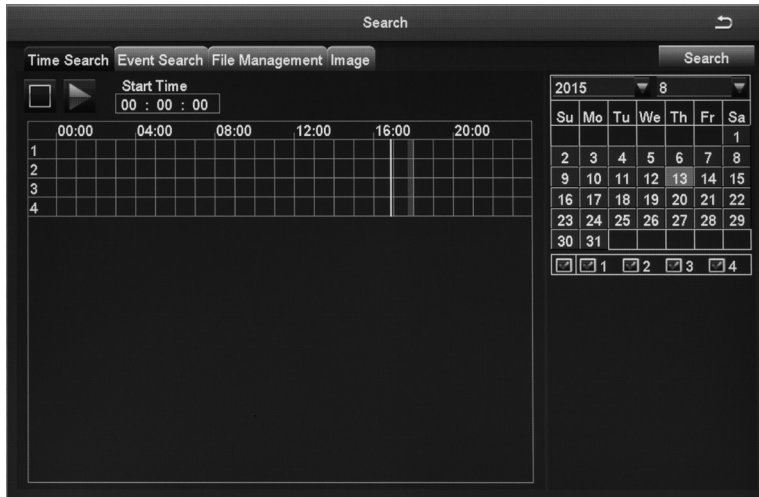
Event Search Tab

This tab helps you find specific types of events for predetermined dates/channels.
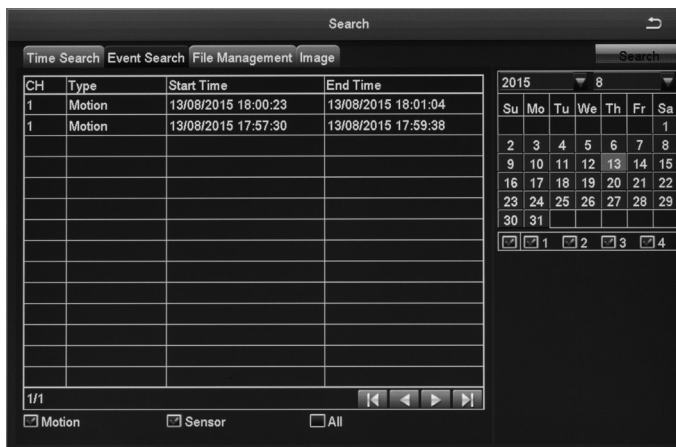
1. Select a date to search as well as indicate what channels you want to include in the search. Select *Search*.
2. A list of events for that camera displays, with the type of event listed.
3. Double-click the event to play back the video on full screen.

File Management Tab

Use this tab to play back recorded files and then keep or delete them.
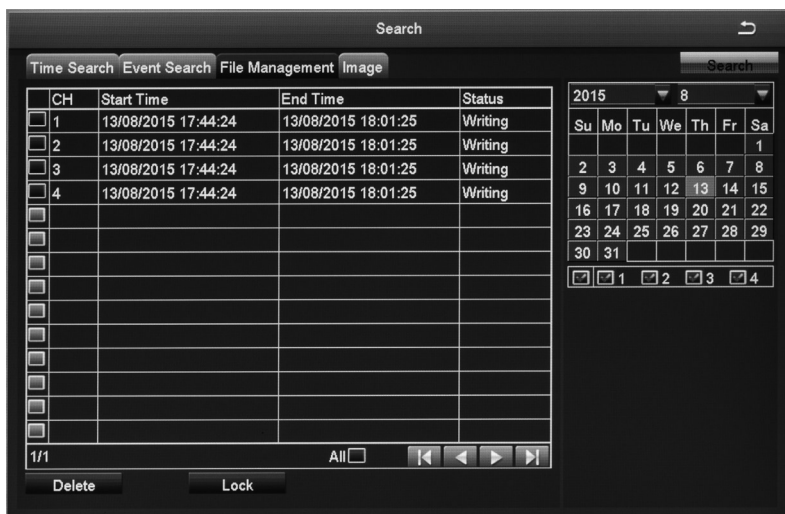
FIELD	DESCRIPTION
Search	Click to display recorded files according to channel number.
Lock	Check the box of a file you do not want to accidently be deleted (check mark appears in box) and then select *Lock*. To unlock a file, check the box of a locked file and select *Lock*. An unlock confirmation screen displays.
All	Select *All* to group all files. Then, select *Lock* to either lock or unlock all the files.

1. Select cameras and a date to search. Select *Search*.

2. A list of recorded files displays. Double click on a file to view it. Determine whether you want to keep the file or delete it, then stop the playback.

3. Select either *Delete* or *Lock*. A confirmation message displays.

Image Tab

The Image tab lets you set specific date/time parameters and then display the image from that date/time setting. Direction arrows let you move forward or backward through the saved video. Double-click the image to play back the video from the time when the image was captured.
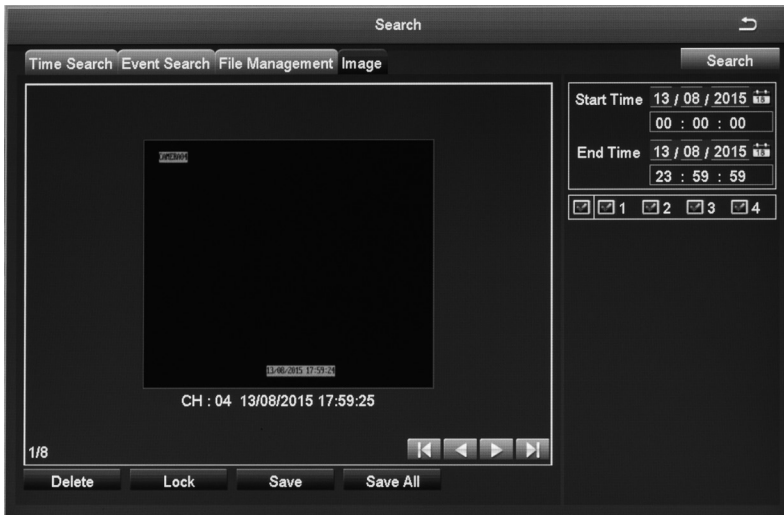
FIELD	DESCRIPTION
Search	After setting up search parameters (Start and End times, selected cameras), select *Search* to initiate the actual search.
Delete	Select to delete the displayed image.
Lock	Select to lock the displayed image so it cannot be deleted or overwritten. (It can, however, be deleted during disk reformat.)

FIELD	DESCRIPTION
Save	Save the current image to a removable storage device.
Save All	Save all captured images to a removable storage device. (Maximum images saved = 2000.)

BACKUP ICON

Back up recorded files to a removable USB storage device.

> ### DO NOT use the USB slot on the front of the unit; that slot is an alternative USB slot for the mouse only.

1. Insert USB device into USB slot on back of unit.
2. Go to *Main Menu/Backup*. The *Backup* screen displays.
3. Set up search criteria to locate the files you want to back up.
   - Select which channels you want to search.
   - Set beginning and ending search times.
4. Select *Search*. Files display that meet your criteria.

5. Select files in the list and then select *Backup*. The *Backup Information* screen displays. This screen provides a review of the backup criteria and files.

Backup Information	
Start Time	13/08/2015 00:00:00
End Time	13/08/2015 23:59:59
The Number Of Files	4
Size[GB]	7.613
Storage Media	USB-1 ▼
Free[GB]	5.867
Save File Type	AVI ▼
0 %	

Disk Cleanup   Start   Cancel

6. Select *Start*. The files transfer to the USB device.

INFORMATION ICON

Select this icon to find information about your system. The Information screen comprises 6 icons:

- System
- Event
- Log
- Network
- Online Users
- Exit

System Icon

Select the System icon and the *System* screen displays. This screen displays basic system information such as system type, firmware version, etc. It also provides Android and iOS QR codes to access the Uniden ProHD app for download. The Uniden ProHD app accesses the Device ID QR code during setup to add the device to the app.

Event Icon

Select this icon to display the *Event List* screen. Use this screen to gather event information for various types of alarms during a specified time frame.

Log Icon

Select this icon to display the *Log List* screen. The *Log List* screen displays events that match specified criteria.

1. Select the Log icon and the *Log List* screen displays.
2. Enter start/end times and select what types of operations to search for.
3. Select *Search* and the system displays all events that fit those criteria.

Network Icon

Select this icon to display the *Network* screen. This screen displays existing network parameters for the system.

Online Users Icon

Select this icon to display the *Online User List* screen. This screen provides information on any users currently connected to the DVR system.

User Name	IP	Status
admin	192.168.1.104	Online
admin	192.168.1.236	Online
admin	192.168.1.201	Online

Online User List

0/0

Refresh

Exit Icon

Select this icon to return to the *Main Menu* screen.

DISK MANAGEMENT ICON

Select this icon to view files on your hard drive and on a connected USB drive (if applicable).

1. Select the Disk Management icon from the *Main Menu* screen. The *Disk Management* screen displays.

Disk Management

BUTTONS	DESCRIPTION
Refresh	Recheck identifiable disks (hard drive, USB drive, etc.)
Browse	Displays file names and other information for the selected drive. Allows you to delete files.
Format	Deletes data on the selected hard disk (including locked fines and images.)

2. Select a drive to review (in the screen above, select 01). Select *Browse*. The Information screen displays for reviewing the hard drive.
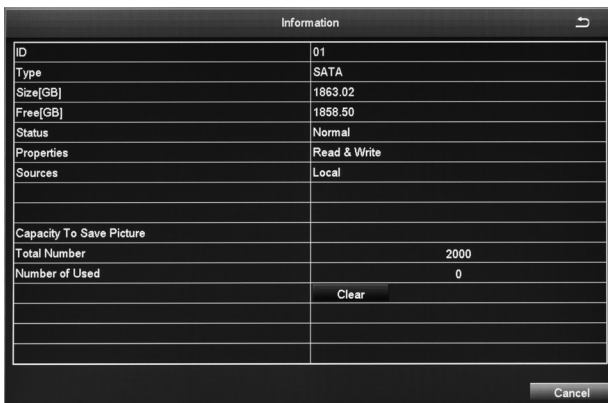
3. Select *Cancel* to return to the *Disk Management* screen.

LOGOFF ICON

The Logoff icon lets you log out of the system. This does not shut down the system but only logs you (as a user) out of the system. When you select the Logoff icon, a confirmation screen displays.

SHUT DOWN ICON

Select the Shut Down icon save your data and changes and shut off the system. When you select the Shut Down icon, a confirmation screen displays.

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. However, you can download the Uniden ProHD App manual from www.uniden.com if you need assistance.

FIRMWARE UPDATES

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.

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 UDVR firmware version.

2. Go to http://unidensupport.com/Find-Your-Product/Downloads and look for the UDVR. Check your DVR's firmware number 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. Power down your DVR.

5. Insert the USB drive into the non-mouse USB port on the BACK of the receiver.

Do NOT insert the USB drive into the USB port on the front of the receiver.

6. Power up your DVR. The system reboots and imports the new firmware.

TROUBLESHOOTING

After turning on, the DVR can not switch on normally.

Possible reasons:

- The power supply is damaged.
- Power cable is damaged.
- Firmware is outdated.
- The hard disk is damaged.
- The DVR internal power board is damaged.

The DVR reboots automatically or frequently stops working after booting up for a few minutes

Possible reasons:

- The input voltage is not stable or too low.
- The hard disk or the hard disk cables are damaged.
- The front-end video signal is not stable.
- Poor heat dissipation, too much dust, bad running environment for the DVR.
- DVR hardware is damaged.

Cannot detect hard disk after turning on power.

Possible reasons:

- The hard disk power supply cable is not connected.
- The hard disk cables are damaged.
- The hard disk is damaged.
- The HDD has failed.
- The SATA port of the main board is damaged.

No video output in single channel, multiple channels, or all channels.

Possible reasons:

- Firmware is out of date. Upgrade the firmware.
- The image brightness is all 0. Please restore the default setup.

- There is no video input signal or the signal is too weak.
- The DVR hardware is damaged.

Real-time image problems such as serious distortion of the image, color, or brightness, etc.

Possible reasons:

- The DVR is not matched with the impedance of the monitor
- The video transmission distance is too far or the attenuation of video transmission cable is too big.
- The DVR's color and brightness settings are wrong.

Cannot find video files in local playback.

Possible reasons:

- Something is wrong with the data cable or the jumper of the hard disk.
- The hard disk is damaged or no video data.
- Upgrade firmware which is different from the original firmware files
- The video files you want to see are overwritten

Appear blurred screen when see the local video.

Possible reasons:

- The video quality is set too low.
- The program data reads incorrectly; reboot the DVR.
- Something is wrong with the data cable or the hard disk jumper cable.
- The hard disk is damaged.
- The DVR hardware is damaged.

No audio signal in the surveillance window.

Possible reasons:

- Camera does not support audio.
- Camera's audio is damaged.
- The DVR hardware is damaged.

There is audio signal in the surveillance window but no audio signal when playback

Possible reasons:

- The audio option is not selected.
- The corresponding channel is not connected with the video. When the image appears as a blue screen, the playback will be intermittent.

The time display is wrong.

Possible reasons:

- The setting is wrong.
- Internal batteries are not properly connected or the voltage is too low.

DVR can not control the PTZ.

Possible reasons:

- The PTZ camera is not connected correctly.
- The baud rate, address, and protocol settings of the front-end PTZ and device PTZ are inconsistent.

Motion detection is not working.

Possible reasons:

- Time is not set correctly.
- The motion detection area is not set correctly.
- The sensitivity is too low.

No image or poor quality video when in Live view or when playing back recorded files.

Possible reasons:

- Too much data is flowing on the network (too many users logged into the system).
- The logged in user does not have permission to preview video.
- Camera not connected properly (not transmitting data correctly).
- Connection issues between camera and DVR.

Something wrong with the USB backup.

Possible reasons:

- There are not enough DVR resources available. Please stop recording and proceed with backup.
- The backup device is not compatible.
- The backup device is damaged.

Alarm is not working.

Possible reasons:

- The alarm setting is incorrect.
- The alarm input signal is incorrect.

APPENDIX A: MENU STRUCTURE

Right-click on the screen to view the System menus.
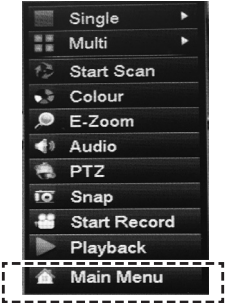
Click on *Main Menu* to view Main Menu operations.

Single ▶	
Multi ▶	
Start Scan	
Colour	
E-Zoom	
Audio	
PTZ	
Snap	
Start Record	
Playback	
Main Menu	

Main Menu

Setup   Search   Backup

Information   Disk Management   Upgrade

Logoff   Shut Down

SETUP Operation (page 25)

* Italic text indicates tabs on screen.

BASIC
System
Date & Time
DST

LIVE
Live
Main Monitor
Video Blind

RECORD
Enable
Record Bitrate
Stamp
Recycle Record
Snap

SCHEDULE
Schedule
Motion
Sensor

ALARM
Sensor
 Basic
 Alarm Handling
 Schedule
Motion
 Motion
 Schedule
Video Loss
Other Alarms

NETWORK
Network
Substream
Email
WiFi Setup
DDNS

USERS
User Mgmt

PTZ
Serial Port
Advanced

ADVANCED
Reset
Import/Export
Exit

SEARCH Operation (page 60)

Time Search
Event Search
File Management
Image

BACKUP Operation (page 64)

INFORMATION Operation (page 65)

SYSTEM

EVENT
Event List

LOG
Log List

NETWORK

ONLINE USERS
Online User List

EXIT
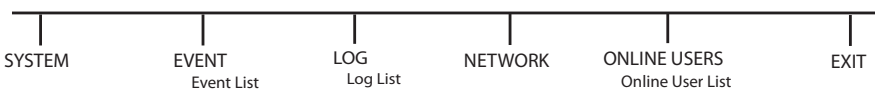
DISK MANAGEMENT Operation (page 68)
LOGOFF Operation (page 70)
SHUT DOWN Operation (page 70)

SPECIFICATIONS

System	UDVR45x4 4 Channel/ 4 Camera	UDVR85x4 8 Channel/ 4 Camera	UDVR85x8 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	Yes		
Audio In	4		
Audio Out	1		
USB Ports	1 Front, 2 Back		
Alarm In	Yes		
Alarm Out	Yes		
Video Input Resolution	1280 x 720		
PTZ Control	RS-485 Pelco D &P protocol ,etc		
Power	DC/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	
Motion Area Masking	22 x 15		
Sensitivity Levels	8		

System	UDVR45x4 4 Channel/ 4 Camera	UDVR85x4 8 Channel/ 4 Camera	UDVR85x8 8 Channel/ 8 Camera
FW Upgrade	USB, Internet		
Security	Set by admin		
Time Sync	NTP Server		
Recording			
Video Compression	H.264 Main Profile		
Audio Compression	G.711		
Recording Resolution	720P, 960H		
Frame Rate	NTSC:1-30 fps		
Recording Quality	256 - 2048kbps		
Substream Resolution	CIF		
Frame Rate	6fps		
Recording Schedule	Calendar style, by hour, day, recording mode, by channel		
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		

System	UDVR45x4 4 Channel/ 4 Camera	UDVR85x4 8 Channel/ 4 Camera	UDVR85x8 8 Channel/ 8 Camera
CONNECTIVITY			
Connection	Uniden Cloud-based P2P server		
Supported OS	Windows		
Remote SW	Uniden ProHD (iOS and Android)		
	Internet Explorer (Windows)		
Email Notification	With Snapshot		
SmartPhone, Tablet support	iPhone, iPad, Android		
DDNS	No-IP.com		
Network Protocol	HTTP, TCP/IP, UPNP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, IP, P2P		
Network Interface	RJ-45, 10/100 Base TX		
Camera Specs			
Image Sensor	1/4" CMOS, 1 Megapixel		
Video Format	NTSC/PAL		
Effective Pixels	H: 1280 V: 800		
Resolution	720P		
Lens/Type	3.6mm, Fixed		
Max Aperture	F2.0		
FOV	60°		
Scan	Progressive		
Sync System	Internal		
IR LED	850nm, 36 pieces		
ICR	Yes		
Night Vision Range	100ft Total Darkness		

System	UDVR45x4 4 Channel/ 4 Camera	UDVR85x4 8 Channel/ 4 Camera	UDVR85x8 8 Channel/ 8 Camera
Min Illumination	1.0 Lux w/o IR LED; 0 Lux w/ IR LED		
Video Output	BNC		
Cable	BNC/Power		
Cable Length	100ft		
Power	12V, 500mA		
Power Consumption	<6W		
Operating Temp	-4° F to 122° F (-20° C to 50° C)		
Operating Humidity	10% - 90% RH		
Environmental Rating	IP66		
Casing	Metal		

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** to find an electronics recycling facility in your area.

COMPLIANCE

FCC

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

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'inteférences 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