Uniden®

GUARDIAN

Owner's Manual

Wired Video Security DVR System

This Owner's Manual applies to the following models:

BC6440D	G7404D1
G6440D1	G7804D1
G6840D1	G7805D2
G6860D2	G7842D2
G6880D2	G7844D2
	G71644D3
	G71684D3
	GC7440D
	GC7840D1
	GC7880D3

CONTENTS

INTRODUCTION

Uniden's Guardian Video Security DVR provides high quality synchronous audio and video. This state of the art surveillance system uses TCP/IP network technology so you can monitor and operate your system remotely through Uniden's free ProHD app.

FEATURES

The DVR provides a high-performace security network using a standard H.264 video compressed format. It 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, it 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.

INCLUDED IN THE BOX

• Cameras (4, 6, or 8)	• Receiver (1)	• 12V 2A Power Adapter (2)
• 4-or 8-Way Splitter Cable	• 60' Extention Cable (4, 6, or 8)	• USB Mouse
• Ethernet Cable	• HDMI Cable	• Camera Mounting Kit

If any items are missing or damaged, visit www.uniden.com for assistance.

SETTING UP YOUR SYSTEM

Images in these installation procedures show the back panel of the G6840D1. Other models' back panels will be different, but similar.

Basic setup connects the DVR to all peripheral equipment (cameras, mouse, monitor, etc) and power. Once connected, your system is ready for use through the DVR's menu system.

You can set up your system in 2 stages - installing your system hardware and then setting up basic configuration. Each stage has separate steps.

STAGE 1 - Install System Hardware

- Connect DVR to Power
- Connect Mouse to DVR
- Connect DVR to Monitor
- Connect Ethernet Cable
- Connect Cameras to DVR and Power
- Install Cameras

STAGE 2 - Basic System Configuration

- Complete Wizard and Log In
- Set Password
- Set Screen Resolution
- Set Motion Sensitivity

CONNECT DVR TO POWER

1. Connect the DVR to 12V power using the 12V 2A power adapter (supplied).	
2. Connect the power adapter to a surge protector plugged into 120V indoor power.	

CONNECT MOUSE TO DVR

Connect the mouse to the DVR at the labeled USB port on the back of the DVR.	

CONNECT DVR TO MONITOR

There are three different ways to connect the DVR and monitor, depending on what type of monitor port connection is available.

Monitor with HDMI Port

1. Connect DVR and monitor using HDMI Cable (included).	HDMI cable to DVR	HDMI cable to Monitor (example)
2. Connect monitor to surge protector plugged into 120V indoor power.		
3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.		
4. Select **Exit** for now; we will return to the Wizard later in the setup process.		

Monitor with VGA Port

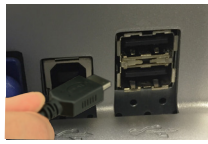| 1. Connect DVR and monitor using VGA Cable (not included).	VGA cable to DVR	VGA cable to Monitor (example)
2. Connect monitor to surge protector plugged into 120V indoor power.		
3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.		
4. Select **Exit** for now; we will return to the Wizard later in the setup process.		

TV with BNC Port (VIDEO IN)

1. Connect DVR and TV using BNC-RCA Cable (not included).	BNC-RCA cable to DVR	BNC-RCA cable to Monitor (example)
2. Connect TV to surge protector plugged into 120V indoor power.		
3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.		
4. Select **Exit** for now; we will return to the Wizard later in the setup process.		

CONNECT ETHERNET CABLE

Connect one end of the Ethernet cable to the RJ45 jack on the DVR and the other to your ethernet connection device (router, cable box, etc).

CONNECT CAMERAS TO DVR AND POWER

Each camera connects to one end of the 60 foot extention cable. The other end of the cable connects to the receiver and to power. The ends of the extention cable are marked for Camera or DVR side

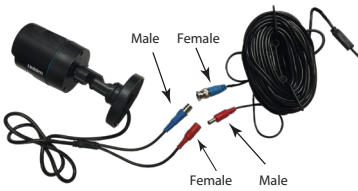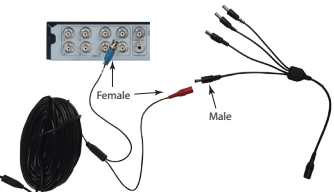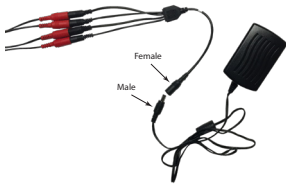|	
1. Connect camera cable's blue end (male) to the blue camera-side BNC end (female) of the extension cable. 2. Connect the camera cable's RED power connector (female) to the DVR extension cable's RED power connector (male).	
3. Connect the extention cable's other blue BNC end (female) to DVR's Video In connector (male). *The Video In ports on the back of the DVR are numbered. Do not connect cameras to ports that your system does not support. If you have 1 - 4 cameras, use ports labeled 1 - 4, etc.* 4. Connect the extention cable's red (female) power connector to one of the power splitter cable ends (male).	
5. Repeat these steps to connect the other cameras to the DVR and to the splitter cable.	
6. Connect the power splitter cable to the power adaptor.	
7. Plug power adaptor into the surge protector. Live video from the cameras displays on the screen.	

Some DVR systems have more than 4 cameras. DVR systems with 6 or 8 cameras have an 8x splitter.

INSTALL CAMERAS

Video surveillance laws vary from state to state. Check local regulations to be sure you are operating in a legal manner.

Installation Tips

- When selecting an outside location for your cameras, keep in mind that most cameras are designed to operate between 14°F to 122°F (-10°C to 50°C) with a relative humidity of up to 95%. Avoid installing cameras in direct sunlight, and consider wind chill and other environmental factors, too.

- Mount the camera in an area that is visible, but out of reach. Route the wiring so it does not interfere with power or telephone/cable lines and it should not be where it could be easily cut. Create a plan for camera wire routing and for camera angle.

- Adjust the camera angle so that it covers an area with high traffic as needed. In "high-risk" locations, have more than one camera cover the same area. This provides camera redundancy if a vandal attempts to damage a camera.

- If you position cameras indoors, avoid pointing the camera at a glass window to see outside. This may result in a bright white ring in the night vision image because the light from the night vision LEDs may reflect off the window glass.

Take the following placement suggestions under consideration:

- **Cabling Distance From DVR to Camera.** The video signal sent from the camera to the DVR

is reduced over distance. The maximum distance allowed is 330 feet (100 meters). A 60 foot cable is included. If you need a cable longer than 60 feet, then use an RG59 cable (with suitable connectors).

- Do not submerge any camera.

- **Mounting.** Ensure the camera is mounted on a stable surface which is capable of supporting 5 times the weight of the camera.

- Avoid direct exposure to the weather. Cameras which are weatherproof may be mounted outside, such as under an eave or other overhang; however, the image will be affected by rain, etc., landing on the lens. Do not allow direct sunlight to land on the lens.

1. With the DVR connected to the camera, hold it in the location where you want it mounted. Check the display on the monitor to verify that the view from that location is acceptable.
2. Mount the camera(s) to the desired surface using the parts in the supplied mounting kit. If mounting on drywall, use the drywall anchors supplied in the kit.
3. 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. Use a Philip's head screwdriver (not included), to make any adjustments.

BASIC CONFIGURATION

Basic configuration lets you use the DVR's internal menu system to access all DVR features. The easiest way to get started is to go through the Wizard quick setup and then fine tune specific areas (such as screen resolution, etc.).

Some fields may require keyboard input. Select the field and a pop-up keyboard displays. This keyboard supports alphanumeric and symbol keys. Shift once to input a capital letter; shift again to return to lower case. Click **Esc** to close the keyboard.

POWER ON AND ACCESS WIZARD

1. If your DVR is already connected to power, disconnect it. Reconnect the DVR to the power supply; the DVR powers up and the POWER and HDD LEDs on the front light up.	
2. After the DVR powers up and the UNIDEN welcome screen displays, the first of three Wizard screens displays. Fill in the date and time information. The most commonly used time zones for this system are: • 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 3. Select **Next**.	
4. The second Wizard bscreen sets up DVR monitoring through the internet. Set the Http Port to 8091 and the server port to 5000. Click **Obtain an IP address automatically** to get network information or fill in the fields manually. Click **Next**.	
5. The last Wizard screen displays storage status. Review the information and then click **Finish** to save the Wizard setting. Live video displays.	
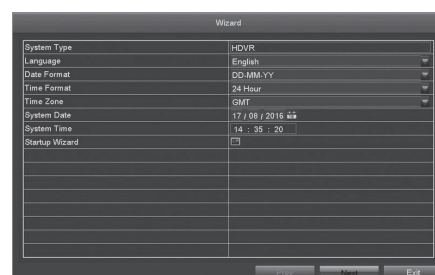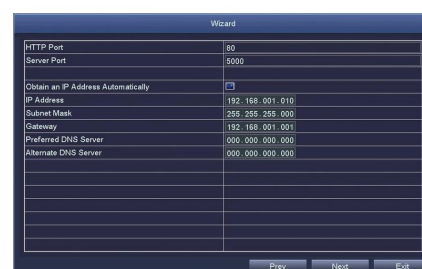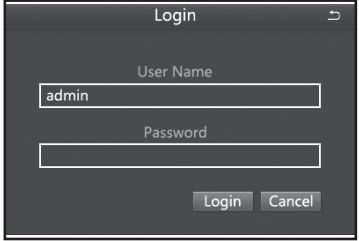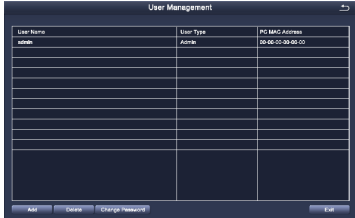
LOGIN

You need to log into the system to continue setting it up.

1. Right-click on any Live View screen; a menu shortcut screen displays.	
2. Select *Main Menu*; the Login dialogue box displays. The user name, *admin*, is already entered. There is no password required so select **Login** (set a password after you log in). *Uniden strongly recommends that you set a password for your system.*	
3. The *Main Menu* screen displays.	

SET PASSWORD

1. From the *Main Menu* screen, select *Setup>Users*. The *User Management* screen displays.	
2. Select **Change Password**. (At this point, there are no other users added to the system.) In the *Change Password* screen, enter a new password and confirm it using the popup keyboard, selecting **Enter** each time. Select **OK** to save the new password.	
3. The *User Management* screen displays again.	
4. Click **EXIT** to return to the Setup screen.	

SET MOTION SENSITIVITY

You can set how sensitive the camera should be for movement to trigger recording. You can also block off (mask) certain areas of the camera's viewing window so normal movement in those areas (trees, wind chimes, etc.) won't trigger recording.

1. From the menu shortcut screen, select *Main Menu/ Setup/Alarm/Motion*. The *Motion* screen displays.	

2. Set each camera's motion detection specifications.

- Select Camera. Select the channel you want to record when motion is detected.

- Set Holding Time. Set how long the camera continues recording after motion is no longer detected.

- Set Trigger. Other channels record when one of the cameras detects motion. The Trigger field sets how that camera notifies that it is recording (buzzer, email notification, etc).

3. The last field, Area, masks parts of the viewing area from being triggered by normal motion. Select **Setting**, and a grid displays over the camers's live view. Use the left mouse to select a grid to block from view. Left-click and drag to select multiple boxes. Left-click those boxes again to de-select them. Mask off flags, trees, or other objects that move in the wind to avoid false alerts.	

4. Right-click to display the control bar. Click the STAR icon ( ) to make the whole viewing range a sensitivity area. Click the the TRASH CAN icon ( ) to remove sensitivity areas. Click the SD CARD icon ( ) to save the settings and click to exit.

5. From Live view, test motion detection by moving something or having someone walk through the camera's view. If the DVR detects movement within the active grid area, a red person icon displays.

BASIC OPERATIONS

SEARCH FOR FILES

There are three basic methods for searching files – search for files within a certain timeframe, search a timeframe for triggered event records, 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*. 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

There are two ways to play back recorded files:

- Select **Playback** on the menu shortcut screen to view the cameras' last 30 minute recorded segment.

- Go to *Main Menu/Search* (*Time Search* or *Event Search* tab). Select a camera's date and start/ end times as a search range and select **Search**. Highlighted blocks on the time chart indicate recorded files. Select a point in those highlighted blocks and select ► to view that file. A control panel displays across the bottom of the recorded file playbac. See page 40 for details.

(1) Playback control

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

(3) Function Hidden key

(4) Operate playback

Playback control details are:

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

BUTTON	FUNCTION	BUTTON	FUNCTION
▦	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 41 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 29 for details.

BLOCK OFF AREAS NOT TO RECORD

Video masking blocks areas from recording. Go to *Main Menu/Setup/Live* (*Video Masking* 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 21 for details.

SET UP EMAIL NOTIFICATION AND ALERT

Go to Main Menu/Setup/Network (*Email* tab). See page 32 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 26 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 24 for details.

TRANSFER RECORDED FILES FROM THE HARD DRIVE TO A USB DEVICE

1. Insert a USB drive into the USB port on the BACK of the unit.

2. Go to *Main Menu/Backup*.

3. Select the files you want to back up (see page 42 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 35 for details.

MAIN MENU OVERVIEW

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

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

MAIN MENU

From the *menu shortcut screen*, select *Main Menu* (see page 11). The *Main Menu* screen displays.
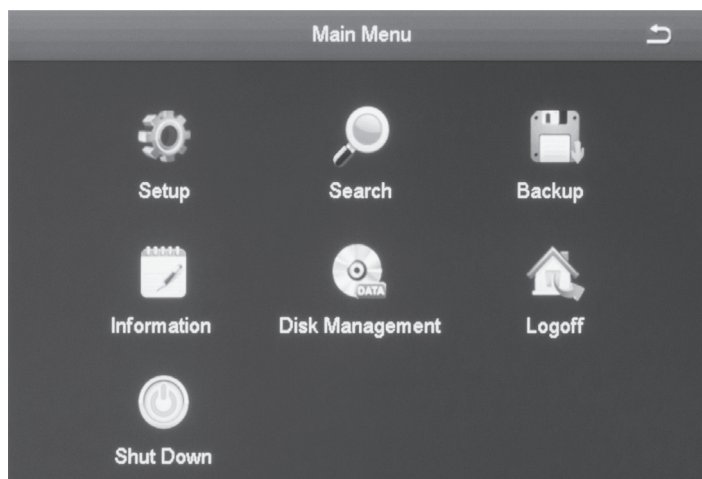
Click on the *Main Menu* icons to select that feature. Icons, submenus, or screens display to help you manage the system. Many of these screens have tabs across the top to further refine operations. Click the ⤺ icon to return to the previous screen.

MAIN MENU ICONS	DESCRIPTION
Setup	Click on *Setup* and 9 icons display on the *Setup* screen. These icons lead you through configuring your system. See the next section 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 39 for icon and screen details.
Backup	The *Backup* screen lets you set specific time ranges on specific cameras for backup. See page 42 for icon and screen details.
Information	Click on *Information* to view 5 types of system information (plus an **Exit** button). See page 42 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 45 for icon and screen details.
Logoff	This selection logs you off of the DVR. See page 46 for icon and screen details.
Shut Down	This selection powers off the DVR. See page 45 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.
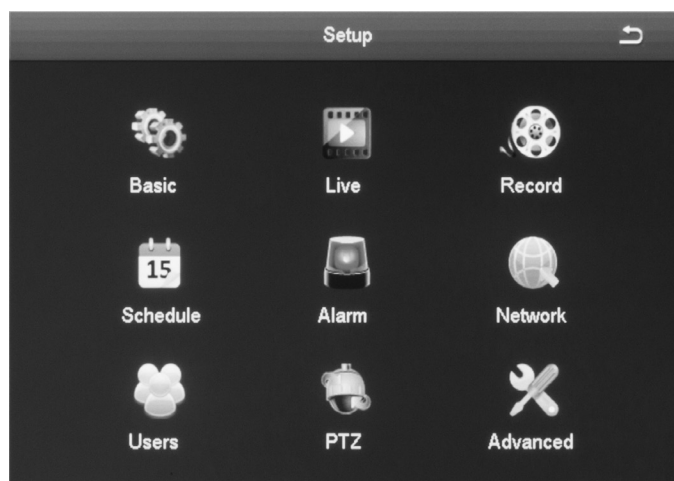
Basic Icon

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.
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.

FIELD	DESCRIPTION
Startup Wizard	Display Wizard (or not) when the system is turned on.

Date & Time Tab

Set the date format, time format, and 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 automatically get 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
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 Masking

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 video screen.

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

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).
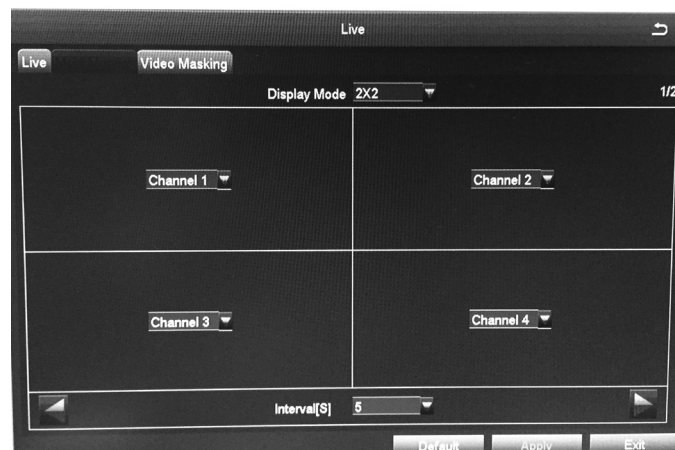
Video Masking Tab

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

1. From the *Video Masking* 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 Masking* 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 goes away.

6. Right-click to return to the *Video Masking* tab. Select **Apply** to save your settings. The masked areas are released.
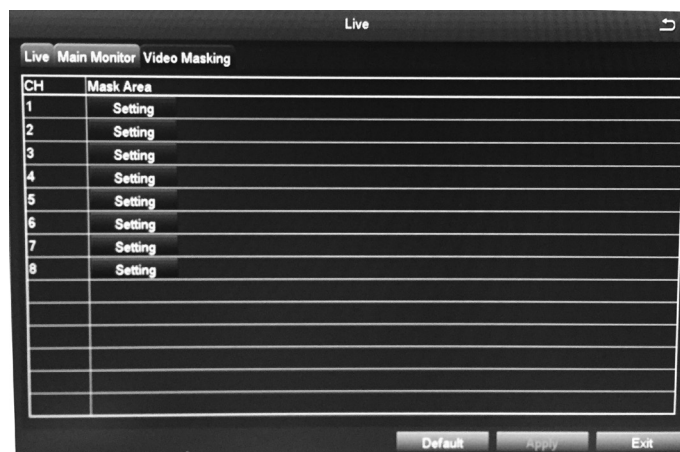
Record Icon

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

- Enable
- Recording Quality
- Time Stamp
- Recycle Record
- Snapshot

Enable Tab

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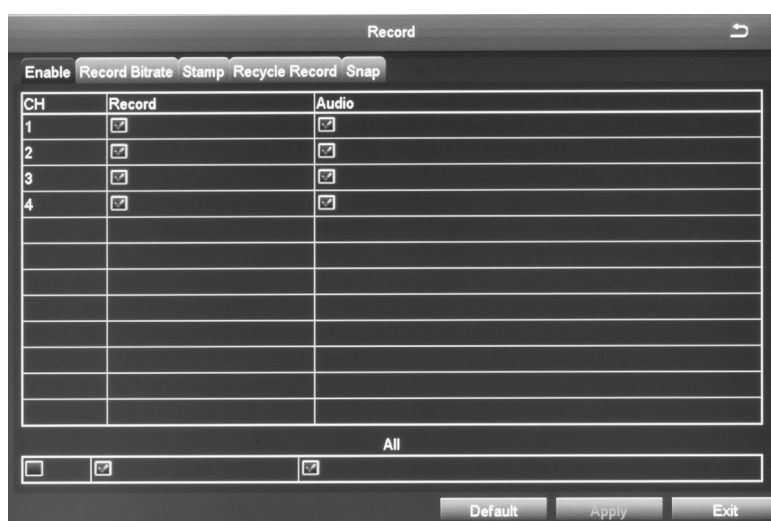
FIELD	DESCRIPTION
Record	Check to set the channel to record video. Uncheck to skip recording video for this channel.
Audio	Check to set the channel to record audio. Uncheck to skip recording audio for this channel. ***Note: Included cameras do not support audio.***
All	Apply selections to all channels.

Recording Quality 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.

Time 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.
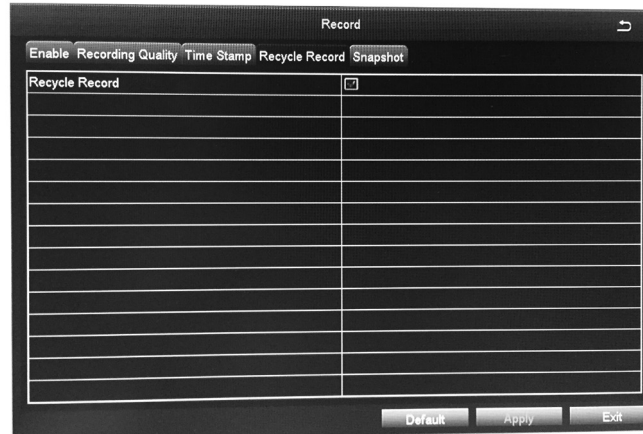
Snapshot Tab
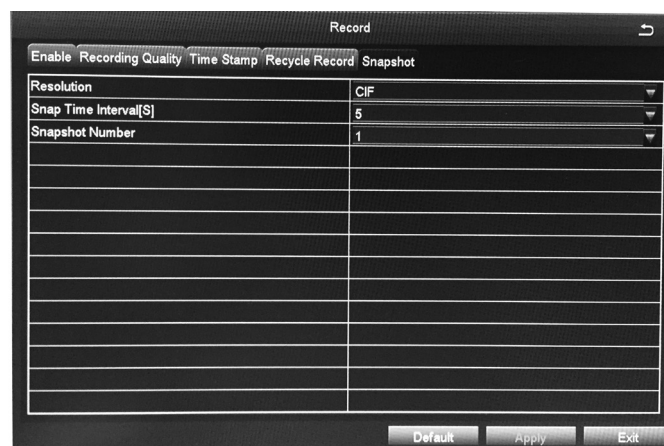
In this tab, the user can set the resolution/image quality level, time interval of snapshot, and the number of snapshots taken in a single click.

FIELD	DESCRIPTION
Resolution	CIF
Snapshot Time Interval	Time interval between snapshots.
Snapshot 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
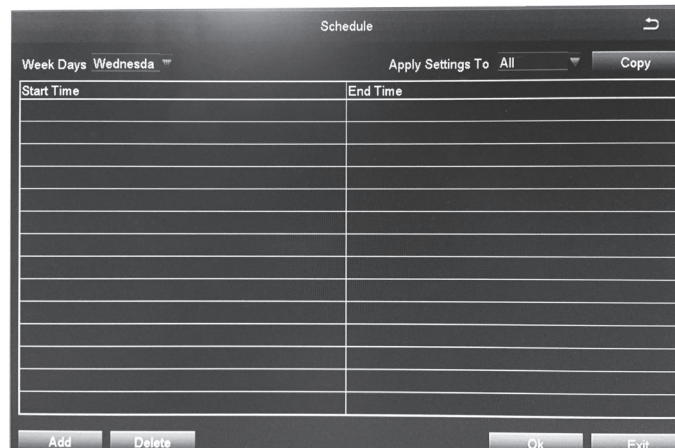
This tab sets up a basic schedule for recording. (Default = No recording blocks selected)

1. Select a channel whose recording schedule you want to set up.

2. Select the 🖉 icon to allow scheduling, and then double-click on an hour block. A Schedule screen displays.
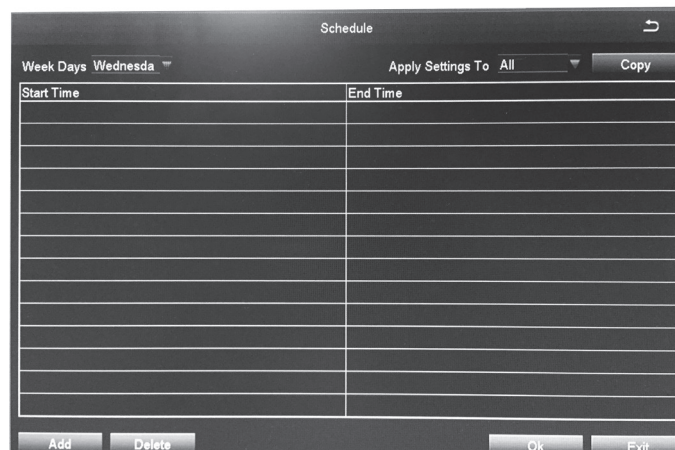
3. Select **Add**.When you have the schedule set up as you want it, select the check mark, then **OK**. The configuration for that channel is now saved. The *Schedule* screen displays again with the newly added schedule shown.

4. If you want to use that same configuration on another channel, select that channel in the **Apply Settings To** dropdown box. Then, select **Copy**. The configuration is now copied to the indicated channel.

5. If you want to apply the settings from one channel to ALL channels, select *All* in the **Apply Settings To** dropdown box. Then, select **Copy**. The configuration is now copied to all channels.

6. Select **Apply** to save the settings.

7. Select **Exit**.

Motion Sensors Tab

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

1. Select a channel whose motion sensor recording schedule you want to set up.

2. Select the erase 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**. Select **Copy**, then **Apply**. 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**. Select **Copy**, then **Apply.** The configuration is now saved on all channels.

6. Select **Exit**.

Other Sensors Tab

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

1. Select a channel whose sensor recording schedule you want to set up.

2. Select the erase 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,** then **Save.** 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**. Select **Copy**, then **Apply**. 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**. Select **Copy**, then **Apply**. The configuration is now saved on all channels.

7. Select **Exit**.

Alarm Icon

The DVR 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

FIELD	DESCRIPTION
Enable	Check this to allow sensor operation on a specific channel.
Type	Normally Closed or Normally Open (NC or NO)
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 - Channel X* 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 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. (See page 32 to set up DVR email preferences.)
Snapshot	When enabled and an alarm is triggered, the system automatically takes a snapshot of the selected channel and stores it on the hard disk.

Trigger - Channel X screen

Select which cameras record when an alarm is triggered.

Trigger - Channel X screen

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

- Sets what type of action to take (Preset/Cruise/Track/None).
- Sets the 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 on page 25.

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 motion detection 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 28.
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.) On the bottom task bar, 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. (This feature is similar to Video Masking, page 21.)
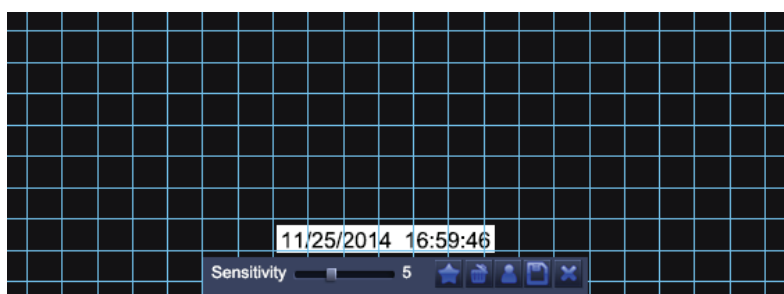
	Set all areas to be detection area		Clear the set detection areas

	Drag the mouse to test whether the sensitivity value and the detection area are appropriate or not		Save the settings
	Exit		

Schedule Tab

The *Schedule* screen is the same as on page 28.

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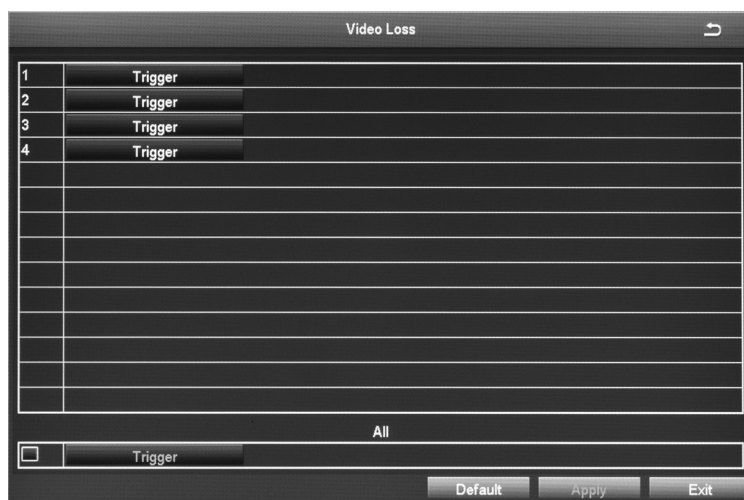
Select *Trigger* for the camera you want to set. The *Trigger* screen for that channel displays.

> *See page 28 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 = 8091.
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. Do not change if *Obtain an IP Address Automatically* is checked.
Gateway	Device's default gateway. Do not change if *Obtain an IP Address Automatically* is checked.
Preferred DNS	Preferred DNS address. Do not change if *Obtain an IP Address Automatically* is checked.
Alternate DNS	Alternate Domain Name Server address. Do not change 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.
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
FPS	Choice range = 1 - 6
Encode	Support VBR and CBR (Default = VBR)
Quality	Select one of the following quality levels: • **Lowest** • 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)

FIELD	DESCRIPTION
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.
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
DDNS Update [Hours]	Select length of time (hours) between DVR/computer updates.

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 DVR/computer updates.

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 **Add** at the bottom of the screen 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 DVR 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)
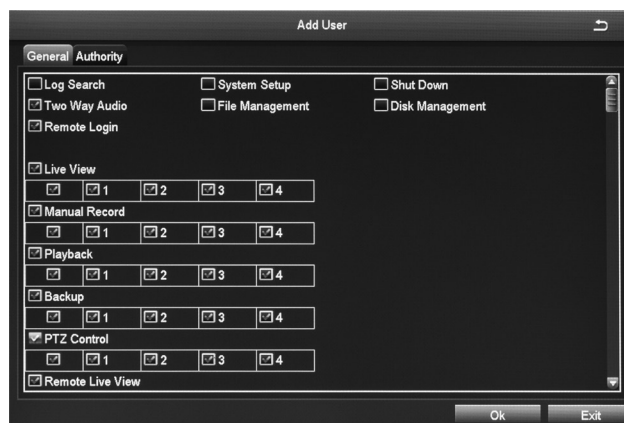
Deleting a User

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.

3. Enter the fields and select **OK**. A confirmation screen displays.
4. Confirm password change.

PTZ Icon

PTZ camera not included.

> **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

FIELD	DESCRIPTION
Enable	Check this field to turn on the camera for that channel.
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*; a popup toolbar displays 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.

1. Click *Setting*. A pop-up interface displays in the bottom of live video.
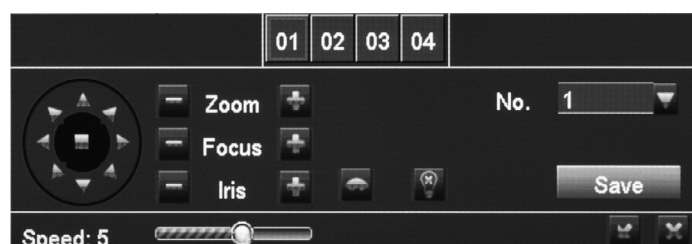
2. Adjust PTZ to the appropriate location through toolbar buttons.
3. Select a number from the drop down Number list (*No.*) to assign to the Preset.

4. Click **Save** and the preset points are set successfully. You can set a maximum of 128 preset points.

5. Click X to close the pop-up interface.

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 selections.

2. Double-click one of the entries and the *Cruise Preset screen* displays.
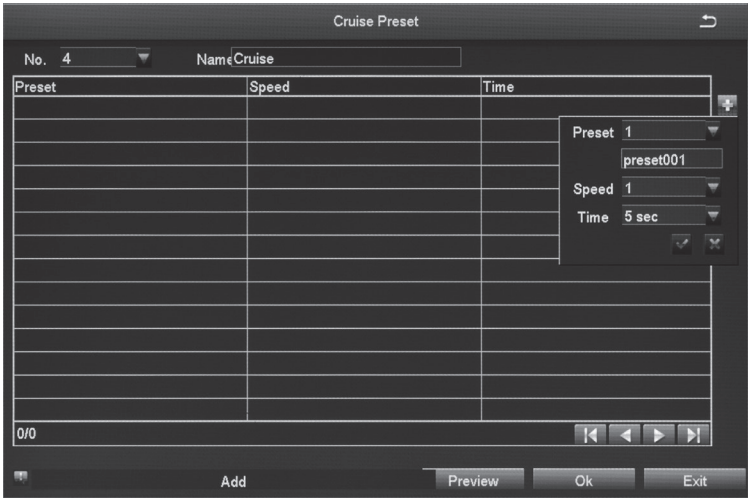
3. Select the **+** (Add) button. A pop-up field displays.

~~Track~~ Cruise Preset Popup
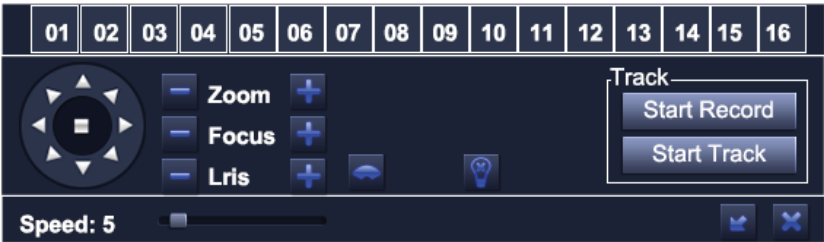
	Add preset point		Delete the preset point
	Modify the selected preset point	Start Recording	Controls PTZ recording tracks.
	Wiper Control	Start Track	Execute the recorded tracks.
	Control external IR devices		Hide function
	Adjust PRZ direction		

Cruise Preset Popup

1. Select a preset number, a speed at which it executes, and how long you want it to execute (up to 60 seconds).

2. Select the check mark. The popup goes away and the selections display in the Cruise Preset screen.

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 **Refresh**. The screen displays the contents of the USB drive.

3. 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.

4. 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 with the saved configuration file.

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 from the 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.
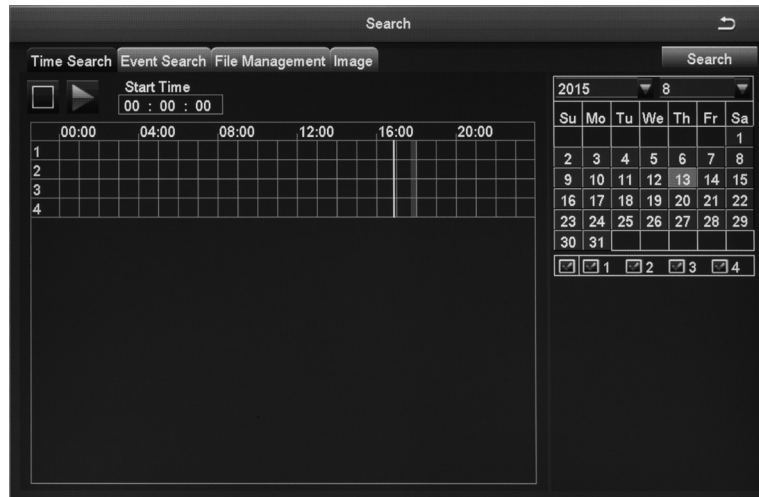
Event Search Tab

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.

40

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.

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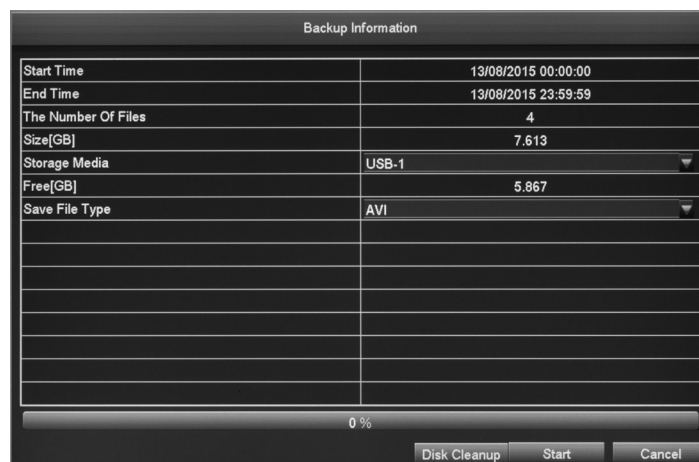
6. Select **Start**. The files transfer to the USB device.

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.
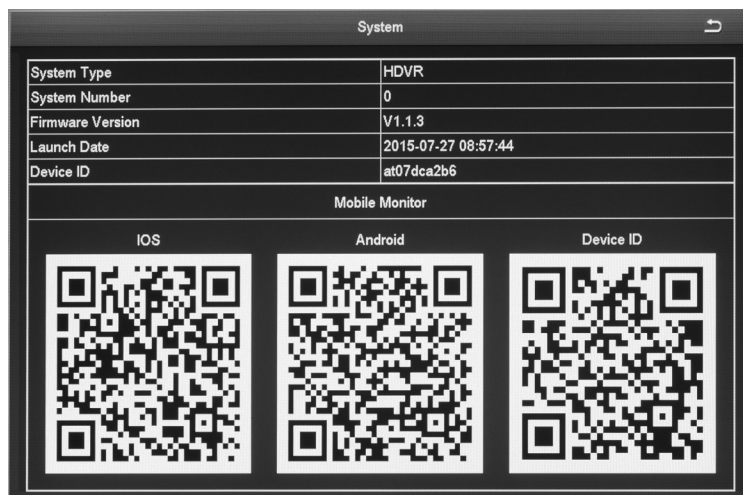
Event Icon

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.

1. Set the timeframe to search for a specific camera or cameras. Select **Search**.

2. A list of events for the specified time frane and camera display.

3. Select **Exit** to return to the Information icon list.

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.

4. Select **Exit** to return to the *Information* screen.

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.

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.

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.
Apply	Applies any changes made to the Properties column.
Format	Deletes data on the selected hard disk (including locked files and images).

2. Select a drive to review (in the screen above, select 01). Select **Browse**. The Information screen displays for reviewing that drive.

Information	
ID	01
Type	SATA
Size[GB]	1863.02
Free[GB]	1858.50
Status	Normal
Properties	Read & Write
Sources	Local
Capacity To Save Picture	
Total Number	2000
Number of Used	0
Clear	

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

SMARTPHONE

View live and recorded video remotely using an iOS or Android device and Uniden's ProHD App.

iOS screens are similar to the Android screens and are not shown.

1. From the Apple App Store, Google Play, or the Amazon App store, download the Uniden ProHD app.	
2. Open the app. The *Create Account* screen displays.	
3. Complete the fields and then select **OK**. The *Device List* screen displays.	
4. Select the + icon at the top right corner to add your DVR system to the app. The *Add Device* screen displays.	
5. Name your DVR system. Select the QR code icon and scan the QR code label on top of the DVR box or the applicable QR code from *Main Menu/Information/System* screen on the monitor. This will add the DVR Device ID code to the app. Select **OK**.	
6. The *Device List* displays again, with your system now listed. Select your system and live video displays on your device.	

Go to www.uniden.com to download the detailed User's Manual for detailed information.

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 DVR firmware version.

2. Go to http://unidensupport.com/Find-Your-Product/Downloads and look for the DVR. 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 physical 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.
- Camera power supply damaged or unplugged.

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:

- 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.

Local Video appears blurred.

Possible reasons:
- The video quality is set too low.
- The program data reads incorrectly; reboot the DVR.
- 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.
- Not enough room on backup device.

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.

SETUP Operation (page 17)

* Italic text indicates tabs on screen.

BASIC
System
Date & Time
DST

LIVE
Live
Main Monitor
Video Masking

RECORD
Enable
Recording Quality
Time Stamp
Recycle Record
Snapshot

SCHEDULE
Schedule
Motion Sensors
Other Sensor

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

NETWORK
Network
Sub-stream
Email
WiFi Setup
DDNS

USERS

PTZ
Serial Port
Advanced

ADVANCED
Reset
Import/Export
Exit

SEARCH Operation (page 39)

Time Search
Event Search
File Management
Image

BACKUP Operation (page 42)

INFORMATION Operation (page 42)

SYSTEM

EVENT
Event List

LOG

NETWORK

ONLINE USERS
Online User List

EXIT

DISK MANAGEMENT Operation (page 45)
LOGOFF Operation (page 45)
SHUT DOWN Operation (page 45)

SPECIFICATIONS

4 CHANNELS/4 CAMERAS

System	B6440D 4 Channel/ 4 Camera	G6440D 4 Channel/ 4 Camera	G6440D1 4 Channel/ 4 Camera
Pentaplex	View, Record, Playback backup, Backup, Remote Monitoring		
# Channels	4		
Video In	4 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	1920 x 1080		
PTZ Control	RS-485 Pelco D &P protocol ,etc		
Power	DC/12V		
DISPLAY			
Live Display	1, 4		
Live Display Speed	1 ~ 15 fps		
Navigation	Mouse		
Motion Area Masking	22 x 15		
Sensitivity Levels	8		
FW Upgrade	USB, Internet		
Security	Set by admin		
Time Sync	NTP Server		
Recording			
Video Compression	H.264 Main Profile		
Audio Compression	G.711A		
Recording Resolution	720P, 960H, 1080P		
Frame Rate	1 ~ 15 fps		
Recording Quality	256 - 2048kbps		
Substream Resolution	CIF		
Frame Rate	1 ~ 6fps		
Resolution Settings	Camera independant, each		
Recording Schedule	Calendar style, by hour, day, recording mode, channel		
Watchdog	Yes, Auto-recovery		
Playback			
Playback Speed	Variable, up to 16x		
Search	By Time and Event		

System	B6440D 4 Channel/ 4 Camera	G6440D 4 Channel/ 4 Camera	G6440D1 4 Channel/ 4 Camera
Log Search	Motion detection, configuration changes, connects/disconnects, video loss		
STORAGE AND ARCHIVE			
Storage	1 SATA port		
Max Capacity	Up to 6TB		
Backup Media	USB Flash and HDD		
Backup File Format	AVI		
Recording Time (max channels + max cameras = 1 TB drive)	6 days 2 1080P 13 days @ 720P 17 days @ 960H		
CONNECTIVITY			
Connection	Uniden Cloud-based P2P server		
Supported OS	Windows		
Remote SW	Uniden ProHD (iOS and Android) Internet Explorer (Windows)		
Email Notification	Yes		
SmartPhone, Tablet support	iPhone, iPad, Android		
DDNS	No-IP.com		
System Configuration	Uniden Cloud-based P2P server		
Ports	Programmable		
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	1/2.7" CMOS	1/2.7" CMOS
Megapixel	1.3MP	2MP	2MP
Video Format	NTSC/PAL		
Effective Pixels	1984 x 1105		
Resolution	1080P		
Lens/Type	3.6mm, Fixed		
Max Aperture	F2.0		
FOV	90°		
Scan	Progressive		
Sync System	Internal		
IR LED	850nm, 24 pieces		
ICR	Yes		
Night Vision Range	100ft Total Darkness		
Min Illumination	0.1 Lux w/o IR LED; 0 Lux w/ IR LED		
Video Output	BNC		
Cable	BNC/Power		
Cable Length	60ft		

System	B6440D 4 Channel/ 4 Camera	G6440D 4 Channel/ 4 Camera	G6440D1 4 Channel/ 4 Camera
Power	12V, 500mA		
Power Consumption	<4W		
Operating Temp	-4° F to 122° F (-20° C to 50° C)		
Operating Humidity	10% - 90% RH		
Environmental Rating	IP66		
Casing	Plastic		

8 CHANNELS/4, 6, OR 8 CAMERAS

System	G6840D1 8 Channel/ 4 Camera	G6860D2 8 Channel/ 6 Camera	G6880D2 8 Channel/ 8 Camera
Pentaplex	View, Record, Playback backup, Backup, Remote Monitoring		
# Channels	8		
Video In	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	1920 x 1080		
PTZ Control	RS-485 Pelco D &P protocol ,etc		
Power	DC/12V		
DISPLAY			
Live Display	1, 4, 88		
Live Display Speed	1 ~ 15 fps		
Navigation	Mouse		
Motion Area Masking	22 x 15		
Sensitivity Levels	8		
FW Upgrade	USB, Internet		
Security	Set by admin		
Time Sync	NTP Server		
Recording			
Video Compression	H.264 Main Profile		
Audio Compression	G.711A		
Recording Resolution	720P, 960H, 1080P		
Frame Rate	1 ~ 15 fps		
Recording Quality	256 - 2048kbps		
Substream Resolution	CIF		

System	G6840D1 8 Channel/ 4 Camera	G6860D2 8 Channel/ 6 Camera	G6880D2 8 Channel/ 8 Camera
Frame Rate	1 ~ 6fps		
Resolution Settings	Camera independant, each		
Recording Schedule	Calendar style, by hour, day, recording mode, 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 SATA port		
Max Capacity	Up to 6TB		
Backup Media	USB Flash and HDD		
Backup File Format	AVI		
Recording Time (max channels + max cameras = 1 TB drive)	12 days 2 1080P 26 days @ 720P 34 days @ 960H		
CONNECTIVITY			
Connection	Uniden Cloud-based P2P server		
Supported OS	Windows		
Remote SW	Uniden ProHD (iOS and Android) Internet Explorer (Windows)		
Email Notification	Yes		
SmartPhone, Tablet support	iPhone, iPad, Android		
DDNS	No-IP.com		
System Configuration	Uniden Cloud-based P2P server		
Ports	Programmable		
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	1/2.7" CMOS		
Megapixel	2MP	2MP	2MP
Video Format	NTSC/PAL		
Effective Pixels	1984 x 1105		
Resolution	1080P		
Lens/Type	3.6mm, Fixed		
Max Aperture	F2.0		
FOV	90°		
Scan	Progressive		
Sync System	Internal		
IR LED	850nm, 24 pieces		

System	G6840D1 8 Channel/ 4 Camera	G6860D2 8 Channel/ 6 Camera	G6880D2 8 Channel/ 8 Camera
ICR	Yes		
Night Vision Range	100ft Total Darkness		
Min Illumination	0.1 Lux w/o IR LED; 0 Lux w/ IR LED		
Video Output	BNC		
Cable	BNC/Power		
Cable Length	60ft		
Power	12V, 500mA		
Power Consumption	<4W		
Operating Temp	-4° F to 122° F (-20° C to 50° C)		
Operating Humidity	10% - 90% RH		
Environmental Rating	IP66		
Casing	Plastic		

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.

FCC Part 15/IC COMPLIANCE

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