

# Uniden®



## surveillance

### UDR780HD VIDEO SURVEILLANCE SYSTEM



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Irving, Texas

Issue 1, September 2016  
Printed in China

## **CUSTOMER CARE**

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase.

Quickly find answers to your questions by:

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

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



# GETTING STARTED

## FEATURE LIST

- 850nm IR LED distance up to 10m
- 7" TFT LCD Digital panel (1024 x 600)
- Two-way audio
- Scan function
- PIR- or motion detection-triggered recording
- Manual recording
- Touch screen operation
- Schedule recordings from Sunday to Saturday
- SD card external storage, up to 128GB supported (8GB Class 10 included)
- One LCD monitor can pair four cameras
- Monitor : 5v DC 2A Power adaptor (+/-5%)
- Camera: 9v DC 600mA (+/-10%)
- RF range: 984 feet [300 meters (Line of sight)]
- New recording indicator/ Memory card full indicator
- Quad view
- PIR trigger and Video motion detect alert
- Night vision up to 40 feet
- Direct connection to router for remote access to live and recorded video
- No monthly fee

## WHAT'S INCLUDED

You should have the following items:



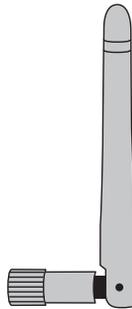
(1) UDR780HD Monitor



(2) UDRC58HD Camera  
with stand



(2) 9V 600mA Power Adapter  
(Camera)



(2) Antenna (may be  
attached to camera)

Not Shown:

- (1) 5V 2A Power Adapter (Monitor)
- (1) Ethernet (RJ45) Cable
- 8G SD Card
- (1) 3.7V 2000mA Battery (Monitor)
- Mounting Hardware (2 sets)
- Quick Start Guide

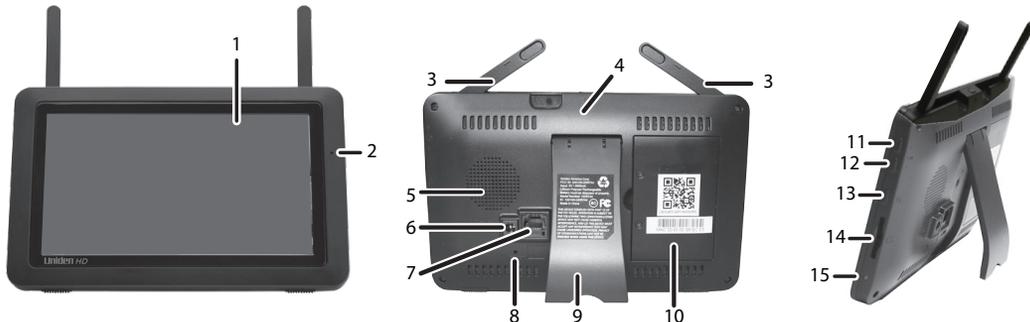
***Images may vary slightly  
from product.***

***If any items are missing or damaged, visit our website at [www.uniden.com](http://www.uniden.com) for assistance.  
Never use damaged products!***

# GETTING TO KNOW THE UDR780HD SYSTEM

## HARDWARE

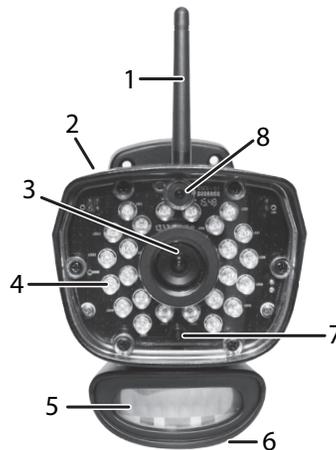
### UDR780HD MONITOR



No.	What it is
1	LCD Screen: Displays video from the camera(s) or system operation interface.
2	Microphone
3	Wireless Antenna
4	Power Button/ Scan Button: Press and hold about 5 seconds to turn the receiver on/off. Press and release while the unit is powered on to turn Scan mode on/off.
5	Speaker
6	Power Port: Connect to a local power outlet using the included power adapter.
7	Ethernet Port (RJ45): Connect the receiver to your router using the included Ethernet cable to enable smartphone / tablet connectivity.
8	Reset: Using a paper clip or other thin object, push the reset button to restore the system to its default settings.
9	Receiver Stand
10	Battery Cover

No.	What it is
11	Volume Up
12	Volume Down
13	Talk. Press and hold to talk through the camera. Release to listen for a response.
14	SD Card Slot. Insert SD card for recording videos.
15	Blue LED Flashing - Battery power is low

## UDR780HD CAMERA



No.	What it is
1	Camera Antenna: Sends and receiveds signals to/from the monitor.
2	Pair Button: The pair button is located on the back of the camera. It is used to pair the camera with monitor.
3	Camera Lens: Catches the video in front of the lens and transmits video from camera to monitor.
4	Light Sensor: Sense brightness for changing between daytime and nighttime vision
5	IR LEDs. Infrared LEDs provide viewing in low/ no light conditions.

No.	What it is
6	Speaker: Produces the sound transmitted from the monitor. (Under camera)
7	PIR Sensor: Detects motion in front of the lens and emits detection signal to transmitter.
8	Microphone: Transmit audio to monitor.

## SET UP THE HARDWARE

### MONITOR

1. Flip out the stand on the back of the monitor and position the antennas.
2. Connect the 5V AC adapter to the power input on the rear of the monitor. Connect the other end of the adapter to a 120 volt AC (standard indoor) power outlet.

***The monitor comes with a partial charge. Plug it in and let it charge for a full 8 - 9 hours before using it.***

3. Press and hold the **POWER** button on the top of the monitor for 3 - 4 seconds to power it up.
4. The monitor displays the *Uniden Guardian* screen for a few seconds and then transitions to the LIVE view.

***The screen remains dark until the cameras are powered up.***

### CAMERA

#### ***General***

The UDRC58HD cameras included with your monitor are weatherproof and have an IP65 rating. Water can be sprayed on them and they will still work; however, the cameras cannot be submerged.

Although the cameras can be exposed directly to the rain, it is recommended that, if they are used outdoors, they be mounted under some type of cover like a patio overhang or eave. As rainwater drops start to dry on the camera glass, it can create spots that will reflect the light from the infrared LEDs used for night vision, thus causing lower quality video.

Also, as dust, grime, and cobwebs accumulate on the camera glass, they can reflect light from the infrared LED and might lower video quality. Periodically clean the lens glass with a soft cloth.

## ***Placement Considerations***

Consider the following when placing cameras:

- The clearest line-of-sight between the camera and monitor is best.
  - Walls, especially brick and concrete, shorten the transmission distance.
  - Placement next to windows allows better transmission.
- Optimized motion detection range is 6 - 18 feet for the camera. The farther away an object is, the less accurate the motion detection.
- Avoid having a direct light source in the view of the camera, including street lights, ceiling or floor lamps, spotlights in the driveway, etc.
- Rainfall, pool water ripples/reflections, tree/shrub leaves blowing in the wind - and the shadows they create - can generate motion detection false alarms.

## **INSTALL CAMERAS**

When you are positioning the camera, bring the monitor along; it's much easier to get the camera into the right position when you have the display handy.

***The monitor's battery will last about 2 hours on its own.***

1. Install the antennas (if needed), position the camera where you want it, plug it into power, and check video on the monitor. Move the camera if the view is not what you want.
2. Hold the base of the camera stand where you want to mount it and mark the location of the screw holes.
3. Use the included screws and anchors to attach the base to the wall or ceiling.
4. Tug gently on the stand to make sure it is securely in place.

## **MONITOR SCREEN**

The UDR780HD monitor's screen has 3 main parts:

- Live View area. The main screen area displays live video from the camera(s).

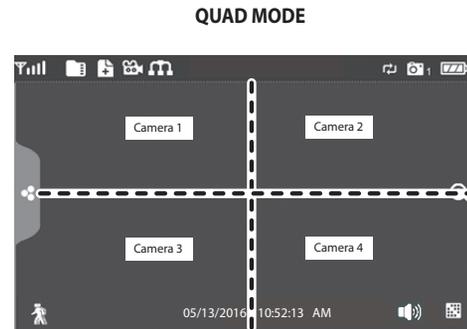
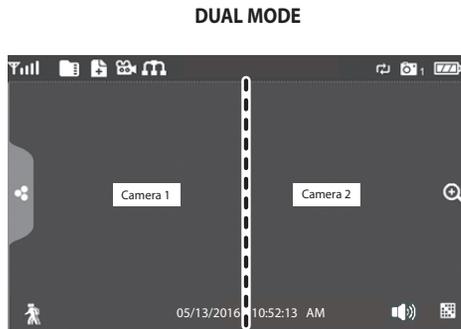
- Pop Out Menu Tab. Tap this tab to display 4 menus that let you manage the UDR780HD system. See page 17 for details.
- Icon bars. Icons display on the top and bottom of the monitor screen. See page 13 for icon details.

## **Viewing Modes**

The Live View area displays live video from the cameras. Each camera can display in its own section of the screen or on the full screen. The number of cameras that display depends on how many cameras are turned on (see page 24).

There are 3 viewing modes:

- Multi-Channel mode (Dual or Quad).  
If you have 2 cameras turned on, video displays in Dual mode.  
If you have 3 or 4 cameras turned on, video displays in Quad mode.



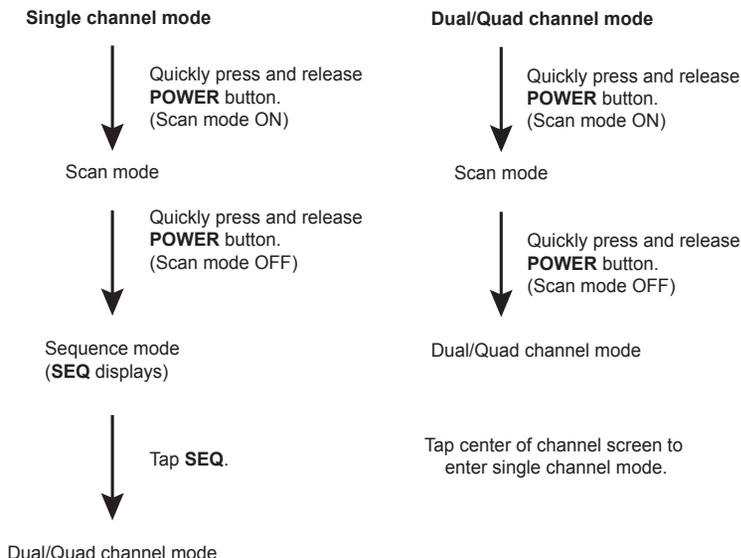
- Single Channel mode displays one camera at a time on full screen. From Dual or Quad channel mode, tap the center of a channel's screen to display that channel in full screen. Press  to change between the channels. Tap the center of the image to return to the previous mode.

## **Channel Cycling Modes**

There are two ways to cycle between channels - Scan and Auto Sequence.

With Scan mode, the monitor's screen and speakers are off until a camera detects motion. That camera then displays at full screen (sound and video on) until there has been no motion for 15 seconds. After that, the monitor screen turns off again. Quickly press and release **POWER** to turn Scan mode on and off.

In Auto Sequence mode, each channel displays automatically in sequence in full screen. Access this mode from Single channel mode. Tap  to turn on Auto Sequence mode; **SEQ** displays. Tap **SEQ** to turn it off and return to Dual mode.



## UDR780HD OPERATION

Your UDR780HD monitor operates through a series of screens that let you choose groups of operations. For example, when you tap **PLAYBACK** in the pop-up menus, you can view recorded files. Tapping **GENERAL SETTINGS** lets you set up how your system will operate (i.e., camera setup, recording schedule, motion detection sensitivity, etc.).

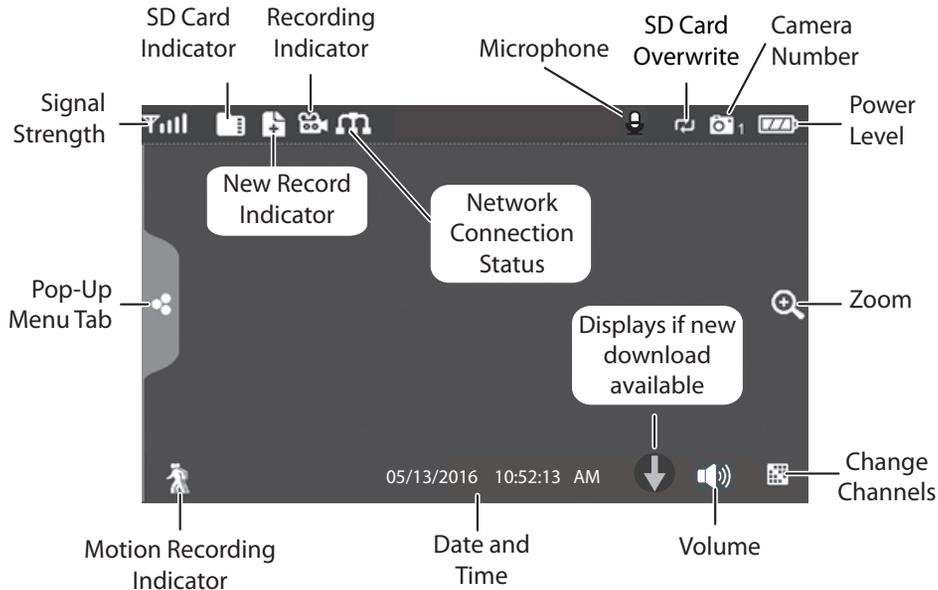
## LIVE VIEW SCREEN

The *Live View* screen is the monitor's main screen that displays video from your camera(s). You can have the system display a single camera or you can set the screen to display all of them. You can also set the screen to cycle between all live video feeds. Tap the  icon to change the *Live* screen video displays.

## UDR780HD LIVE SCREEN ICONS

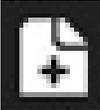
Different icons display on the monitor screen depending on what is going on with your cameras. This image shows an example of what could be on your screen (the video image is removed to make it easier to see the icons). A table follows of possible icons and their definitions.

### *Live Screen Icon Example*

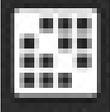


*NOTE: Icons on the screen display in BLUE. Icons that display will vary according to system configuration.*

## What the Icons Mean

UDR780HD Icon	What it does
<b>SIGNAL INDICATOR</b> 	<ul style="list-style-type: none"><li>Shows how strong the camera's signal is. Signal ranges from 4 bars down to 0 bars (out of range).</li></ul>
<b>SD CARD</b> 	<p>This graphic displays if an SD card is inserted into the monitor.</p> <p>If blue, recording space is available.</p> <p>If red, the SD card is full.</p> <p>Tap this icon to view recorded files.</p>
<b>NEW RECORD INDICATOR</b> 	<p>New recordings are saved on the SD card.</p>
<b>RECORDING INDICATOR</b> 	<p>When this icon flashes red, it indicates that recording is in progress.</p>
<b>NETWORK STATUS INDICATOR</b> 	<ul style="list-style-type: none"><li>Green - System is connected to the internet and the monitor is connected with internet mode.</li><li>Yellow - System is connected to internet and the monitor is connected with intranet mode.</li><li>Red - Connection has failed or system is not connected to a network.</li></ul>
<b>TIME STAMP</b>	<p>Current date/time in month/day/year, hour/minute/second format.</p>
<b>SD CARD OVERWRITE</b> 	<p>Displays if the SD card is allowed to overwrite files when it is full. (See page 27.)</p>

UDR780HD Icon	What it does
<b>CHANNEL INDICATOR</b> 	Displays the current channel number you are currently viewing. If viewing multiple cameras at once, the camera indicator will appear above each video display.
<b>BATTERY INDICATOR</b> 	Indicates the LCD monitor's battery life: <ul style="list-style-type: none"> <li>• Flashing Red - Low battery</li> <li>• Blue - Full battery</li> <li>• Flashing Blue - Charging</li> </ul>
<b>ZOOM INDICATOR</b> 	When you tap this icon on the screen, the monitor breaks the screen image into 5 areas. Tap the area you want to see in Zoom. That area displays in 2X size and the magnifying glass icon changes to the arrows icon (  ). Tap the arrows icon to exit Zoom mode.
<b>VOLUME INDICATOR</b> 	The Volume Indicator displays when you tap + or - to raise or lower the volume while in single channel display. It indicates current audio volume.  displays when the volume is off (mute).
<b>TALK BACK INDICATOR</b> 	Displays when TALK is pressed. Press and hold TALK on the side of the monitor to talk back through the camera. Release TALK to wait for a reply.
<b>NEW DOWNLOAD</b> 	Displays if new firmware is available.
<b>SEQUENCE INDICATOR</b> 	Displays when the monitor is in auto switch mode; it will change channels automatically.

UDR780HD Icon	What it does
<p><b>CHANGE CHANNEL</b></p> 	<p>Tap this icon to manually change channels. See page 11.</p>
<p><b>MOTION RECORDING INDICATOR</b></p> 	<p>Indicates motion detection status.</p> <ul style="list-style-type: none"> <li>• Blue - Automatic recording OFF. Press BLUE icon to record. Icon turns RED.</li> <li>• Red - Automatic recording ON. Press RED icon to stop recording. Icon turns BLUE.</li> </ul>
<p><b>POP-UP MENU TAB</b></p> 	<p>Tap to access the pop up menu system.</p>

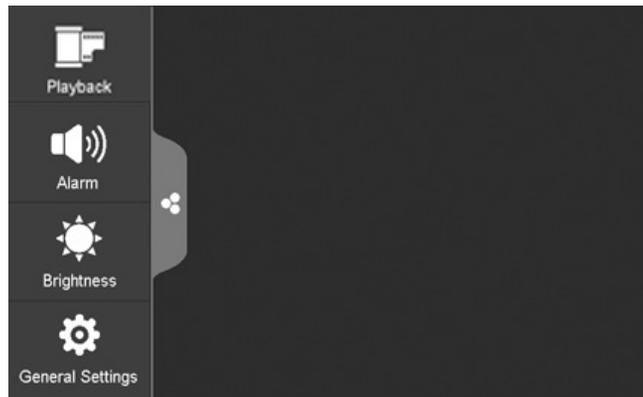
# UDR780HD SCREEN DESCRIPTIONS

## OVERVIEW

This section describes the UDR780HD pop-up menu screens in detail. These pop-up menus enable you to:

- Play back recorded video files
- Set alarms
- Set the brightness level for each camera connected (single channel display only)
- Set up cameras for recording, motion detection, and other system and network requirements.

Tap  and the pop-up menu display.



## PLAYBACK

Manage recorded files with this screen. You can see what recorded files you have, play them, and delete them.

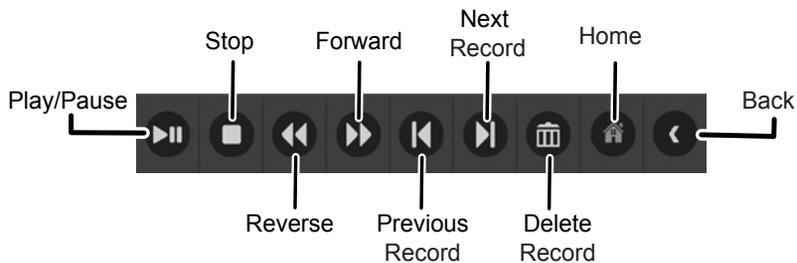
1. Tap . The following screen displays.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

2. Days that are highlighted have recorded files. Tap the day you want to review and a list of recordings for that day displays.

08.09.2014		
102530P1	10:25:30 PM	📷 1 🗑️
112530A2	11:25:30 AM	📷 2 🗑️
113000P3	11:30:00 PM	📷 3 🗑️
102530P4	12:25:30 PM	📷 4 🗑️
USED/TOTAL: 41M/1875M		

3. Tap the record you want and it plays, with a control bar across the bottom of the screen.



4. When the file finishes, the monitor displays the *Recording File List* screen again.

5. Tap the  icon to delete the file if desired.

## ALARM

When motion triggers the camera to begin recording, the monitor sounds an alarm tone. This screen lets you determine how loud that tone will be.

1. Tap . The following screen displays.



2. Tap + or - to increase or decrease the alarm volume. Tap  when you are finished.

## BRIGHTNESS

This feature allows you to set each camera's brightness level from single camera mode.

1. Tap . The following screen displays.

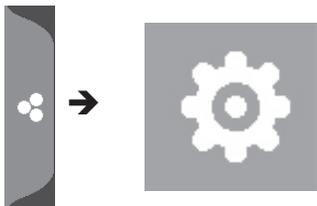


2. Tap + or - to increase or decrease the selected camera's brightness. Tap  when you are finished.

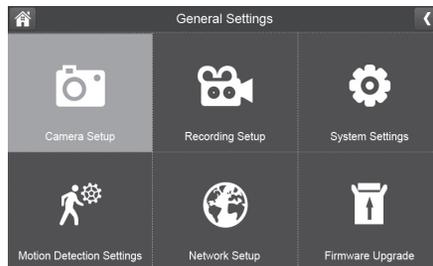
## GENERAL SETTINGS

The *General Settings* screen contains 6 subsections, each of which may contain sub-screens. These sub-screens let you set features about your system. You can turn cameras on and off, establish a specific schedule for specific cameras to record, set the date and time, and motion detection sensitivity, among other features. The rest of this section provides details using these screens.

Tap the following icons as they appear on the screens:



This screen should display:



Main Screen	Sub-Screens	What it Does
<i>Camera Setup</i> (see page 23)	<i>Pairing</i> (see page 23)	This system comes with cameras already paired. Use Pairing to assign these cameras to different channels or to pair additional new cameras to the monitor.
	<i>ON/OFF</i> (see page 24)	Makes the cameras visible to the monitor.
	<i>Resolution</i> (see page 25)	Adjusts the video quality of each camera.
<i>Recording Setup</i> (see page 25)	<i>Duration</i> (see page 26)	Set the length of time the camera records once motion sensitivity triggers the camera to record. Choices are 15 seconds, 30 seconds, or 1 minute (Default - 15 seconds)
	<i>Schedule Recording</i> (see page 26)	Set up a schedule for pre-determined recording times and lengths.
	<i>File Overwrite</i> (see page 27)	Overwrites the oldest recorded data on the SD card once the card is full.
	<i>Audio On/Off</i> (see page 28)	Turns microphones on or off for each camera.

<b>Main Screen</b>	<b>Sub-Screens</b>	<b>What it Does</b>
<i>System Settings</i> (see page 28)	<i>Date &amp; Time</i> (see page 29)	<ul style="list-style-type: none"> <li>• Time Setting. Set the current time (including Daylight Savings Time).</li> <li>• Time Zone. Set the time zone for your UDR780HD system.</li> </ul>
	<i>Time Zone</i> (see page 30)	<ul style="list-style-type: none"> <li>• Set the time zone for your UDR780HD system.</li> <li>• Enable/Disable Daylight Savings Time</li> </ul>
	<i>Language</i> (see page 31)	Changes language setting for the monitor.
	<i>Default Settings</i> (see page 31)	Restores the UDR780HD to default settings.
	<i>Format Memory Card</i> (see page 32)	Reformats the SD card and deletes all existing data.
	<i>Information</i> (see page 32)	Displays firmware information for the monitor and each camera.
<i>Motion Detection Settings</i> (see page 33)	A single screen lets you set motion detection sensitivity for each camera. It also lets you determine which viewing areas for each camera should be masked from motion detection.	
<i>Network Setup</i> (see page 34)	<i>Advanced Setup</i> (see page 35)	Set up Dynamic or Static IP address
	<i>Reset Password</i> (see page 36)	Reset U Guard app password to the default (000000).
	<i>Information</i> (see page 37)	Displays information about your network and the monitor's unique UID number.
<i>Firmware Upgrade</i> (see page 38)	Lets you select how you want to upgrade your firmware (from SD card or from server).	

## CAMERA SETUP SCREEN

The *Camera Setup* screen lets you:

- Pair cameras
- Turn cameras on and off
- Adjust the resolution

### **Pairing**

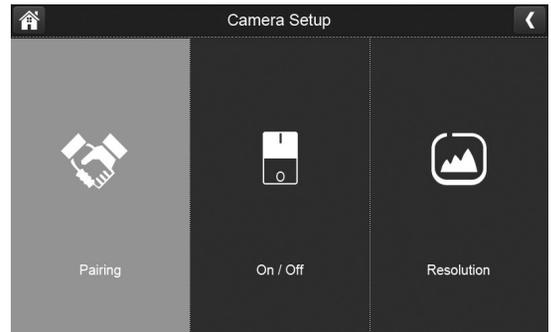
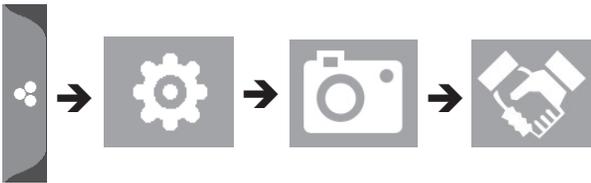
Your cameras are paired to the monitor at the factory to channels 1 and 2. When you add a new camera to your system, you have to “introduce” the camera and monitor to each other so they can communicate.

***You can also use this procedure to add an accessory camera or to move a camera from one channel to a different channel.***

### **Some things to know about pairing cameras:**

- If a camera is already assigned to the selected channel, the pairing operation overwrites that camera link with the new one.
- Only pair one camera at a time! The monitor links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the monitor will detect first.

Tap the following icons as they appear on the screens:



This screen should display:



1. Tap *Pairing* on the *Camera Setup* screen.

2. Tap the channel number you want to pair the camera to.
3. A message displays with instructions to press the **PAIR** button on the camera. A 30-second countdown begins. Press and release the **PAIR** button on the back of the camera (see page 8).

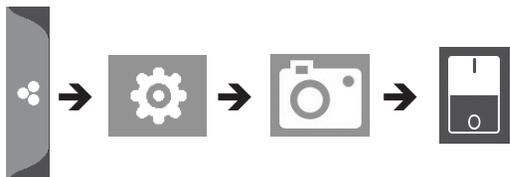
***You must press the PAIR button on the back of the camera during the 30-second countdown; otherwise, the camera will not be paired.***

4. The system displays live video 3 seconds after the camera is successfully paired.

### **On/Off**

When you add a camera to your system, pair up the camera with the monitor and the system will automatically turn it on.

Tap the following icons as they appear on the screens:



This screen should display:



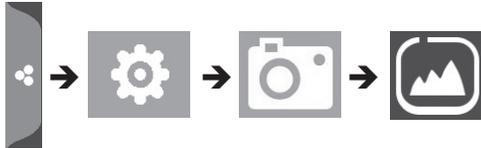
1. Tap the switch bar under the camera you want to turn on or off.
2. The switch bar indicator turns green when the camera is on. It is greyed out when the camera is off.

***Although the camera is turned off, it is still powered. The monitor will not receive video signals from that camera.***

3. Tap  to return to the previous screen.

## Resolution

Tap the following icons as they appear on the screens:



This screen should display:



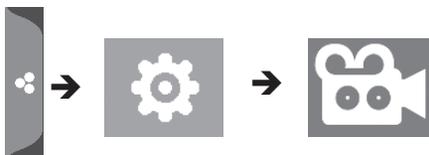
1. Tap *High* or *Low* to set the resolution for each camera (High - 1080; Low - 720p).
2. Tap  to return to the previous screen and tap it again to return to the *General Settings* screen.

## RECORDING SETUP SCREEN

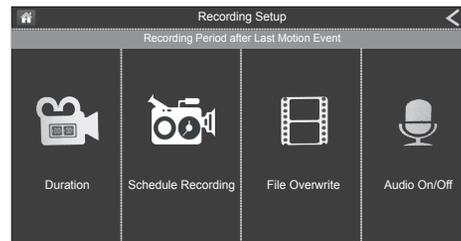
Use the *Recording Setup* screen to:

- Set the length of time the system will automatically record when something triggers motion sensitivity.
- Schedule a set time and duration to automatically record from a specific camera.
- Set up file retention requirements
- Turn camera's sound on or off for recording

Tap the following icons as they appear on the screens:

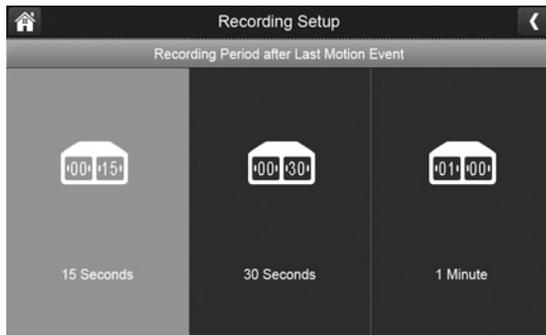


This screen should display:



## Duration

You can set how long the camera keeps recording after motion detection triggers it. The options are 15 seconds, 30 seconds, or 1 minute. (Default = 15 seconds)



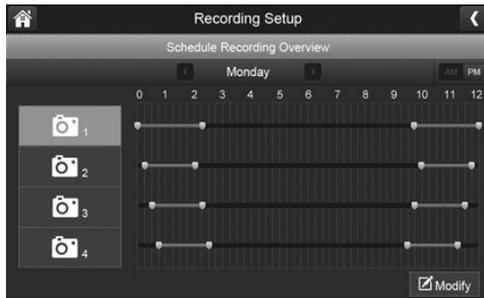
1. Tap the duration you wish to set.
2. Tap  to return to the previous screen.

## Schedule Recording

This feature lets you set up a block of time for a camera to record on a weekly schedule. You can set up multiple cameras to record at the same time and the recording times can overlap between cameras.

***Total recording time is limited to the space available on the SD card. If you set the SD card to delete the oldest files when it is full (see page 27), the system continues recording; otherwise, recording stops until space is available.***

1. Tap ; the *Schedule Recording Overview* screen displays.
2. Tap **MODIFY** in the lower left corner. The *Schedule Recording Setup* screen displays.



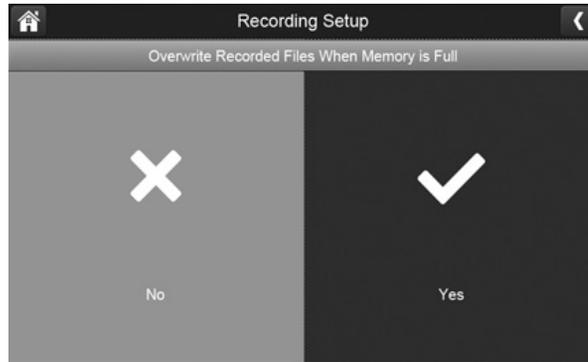
3. Select a camera. If you want more than one camera to record at the same time, select both cameras.
4. Set the recording start and end times.
  - Tap the **AM/PM** block to toggle between them.
  - Tap the hour and minute boxes separately and tap the up and down arrows to set the start and end times in HH:MM format.
  - Tap the days for which this recording schedule applies.
5. Tap **SAVE**. The system returns to the *Schedule Recording Overview* screen with the recording period indicated.
6. Tap **MODIFY** again to set up another recording session to schedule.
 

***Scheduled recordings are broken up into 5 minute file sizes. For example, if you record a 12 minute event, you will have two 5-minute recordings plus one 2-minute recording.***
7. Tap  to return to the previous screen.

### **File Overwrite**

This feature lets you set the system to automatically overwrite the oldest files once the SD card is full. This will allow you to continue recording. If you do not allow overwrite, recording stops when the SD card is full.

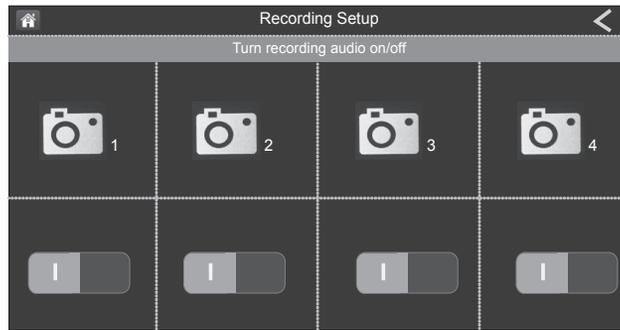
1. Tap  to access the File Overwrite function. The following screen gives you the option of allowing File Overwrite (tap **YES**) or, if File Overwrite is on, cancelling it (tap **NO**).



2. Tap  to return to the previous screen and again to return to the *General Settings* screen.

### **Audio On/Off**

This feature lets you turn the microphone on or off for any camera.



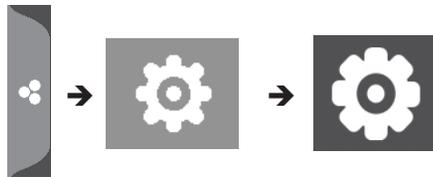
Toggle the ON/OFF button under the desired camera.

### **SYSTEM SETTINGS SCREEN**

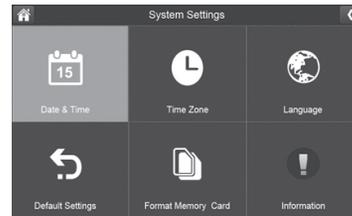
Use these setting options to configure your system:

- Date and Time
- Time Zone
- Language
- Default Settings
- Format Memory Card
- Information

Tap the following icons as they appear on the screens:

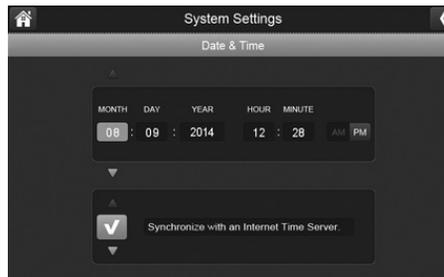


This screen should display:



## ***Date and Time***

1. Tap  to access the *Date & Time* screen.



2. Tap the up or down arrow to set the month, day, and year.
3. Tap the up or down arrow to set the time.
  - Tap the **AM/PM** block to toggle between them.

- Tap the up or down arrows to set the correct hour and minute.
4. Tap *Synchronize with an internet time server* if you want the internet clock to set your time automatically.

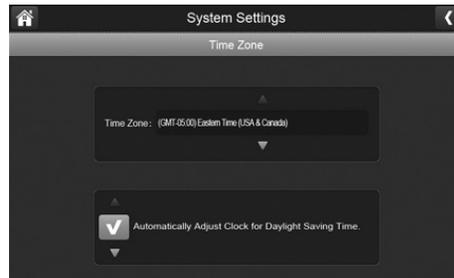
***You must keep your system connected to your wireless network using the Ethernet cable in order to synchronize with the internet time server.***

5. Tap  to return to the previous screen.

## ***Time Zone***

Time Zone allows you to set the time zone your monitor is in. Your system will know that your request refers to the time zone the monitor is in. [Default = (GMT-5:00) Eastern Time (USA & Canada)].

1. Tap . The *Time Zone* screen displays.

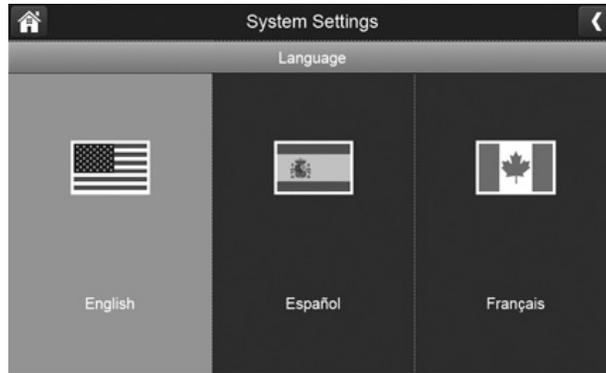


2. Scroll up and down to your camera's time zone and then tap it. The most commonly used time zones for this system are:
  - GMT-05:00 - Eastern Time (Default)
  - GMT-06:00 - Central Time
  - GMT-07:00 - Mountain Time
  - GMT-08:00 - Pacific Time
  - GMT-09:00 - Alaska Time
  - GMT-10:00 - Hawaii-Time
3. Tap the next option to turn Daylight Savings Time on or off.

4. Tap  to return to the previous screen.

## Language

Tap  to set the language used on your system. Options are English, Español, and Français.



1. Tap the language you want your system to use.
2. Tap . The system returns to the previous screen and automatically changes over to the requested language; no reboot is necessary.

## Default Settings

1. Tap  to return your system to the original default settings.



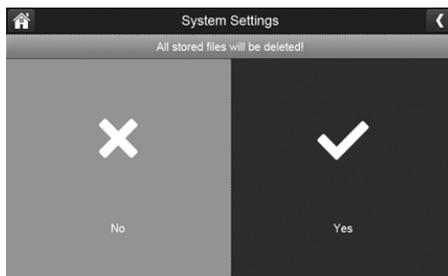
2. Tap **YES** on the *Restore Default Settings* screen.

3. Tap **OK** to confirm the reset.
4. Tap  to return to the previous screen.

### **Format Memory Card**

Formatting the memory card erases all data stored on the card. (Default = **NO**)

1. Tap  to reformat your SD card.



2. Tap **YES** on the *All stored files will be deleted!* screen (Default = **NO**). A confirmation screen displays. Tap **YES** to it.



3. A progress bar displays on the screen. After formatting is complete, a *Format OK* message displays and the system returns to the *System Setting* screen.

### **Information**

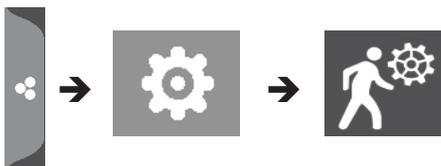
This screen lists the firmware information of the monitor and all cameras paired to it.

1. Tap  to display the screen.
2. Tap  to return to the previous screen.
3. Tap  to return to the *General Settings* screen.

## MOTION DETECTION SETTINGS SCREEN

Video motion detection settings control how strong the motion needs to be to trigger recording. This screen also lets you mask off any areas in the image for the camera to ignore. For example, you may have trees in the image area that would set off motion detection if there is a breeze.

Tap the following icons as they appear on the screens:



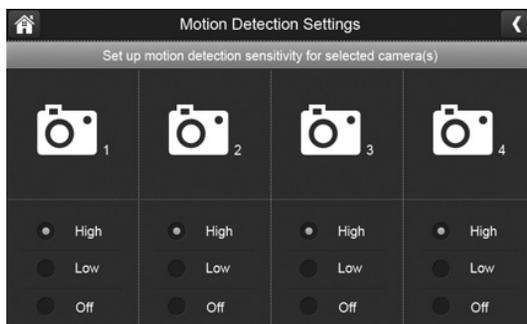
This screen should display:



### ***Sensitivity***

This selection allows you to set the camera's motion detection sensitivity levels to *High*, *Low*, or *Off*.

1. Tap . The following screen displays.



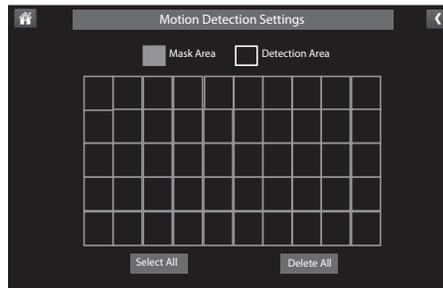
2. Tap *High, Low, or Off* to set sensitivity.
3. Tap  to return to the previous screen.

## **Mask Area**

Use this selection to mask off any parts of the viewing area you do NOT want to be included for motion detection.

**Note: the video image is removed to make it easier to see the masking grid.**

1. Tap . The *Mask Area* screen displays, superimposed over the image from that camera.

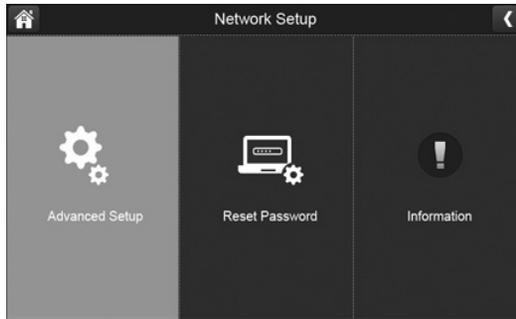


2. Tap the squares that cover the areas of the image you do not want affected by motion detection.
3. When you are finished, tap  to return to the *Motion Detection Settings* screen.
4. Tap  to return to the *General Settings* screen.

## **NETWORK SETUP SCREEN**

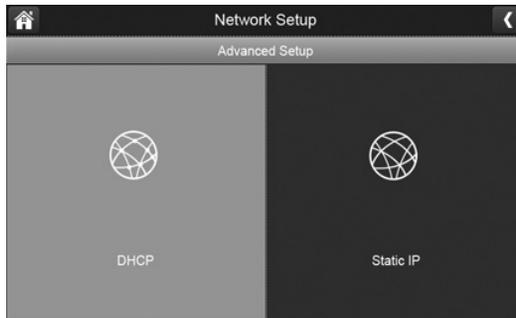
This selection lets you determine your network connection type, reset the APP password, and review your network details.

Tap  to see the *Network Setup* screen and option.



### ***Advanced Setup***

1. Tap  to display the *Advanced Setup* screen.

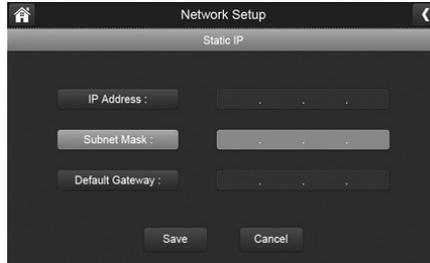


2. Tap on your selection and fill in the fields requested. Tap **SAVE**.

## DHCP



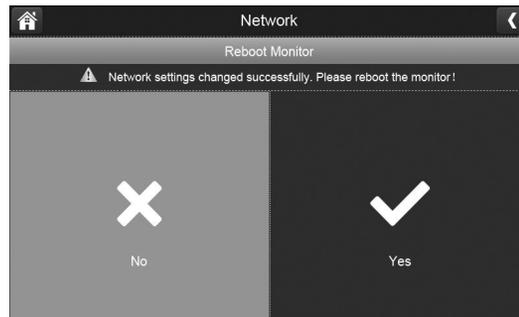
## Static IP



3. Tap on your selection and fill in the fields requested.

***DCHP is the most common connection. Your router will automatically assign an IP address to your UDR780HD system. Static IP is for those that have the ability to specify an IP address for their system.***

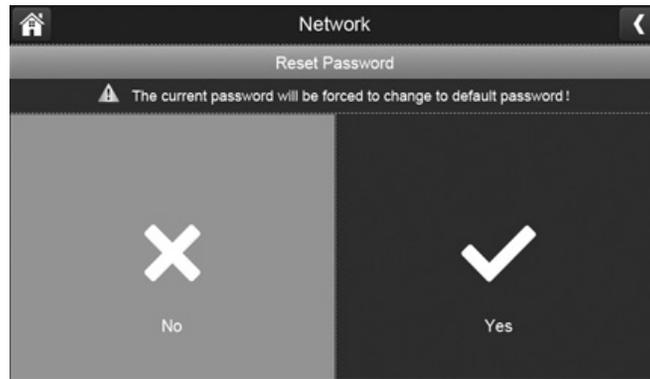
4. Reboot the monitor when prompted.



## ***Reset Password***

The Reset Password feature resets the Uniden U Guard app's password to the default (000000).

Tap **YES**; the *Reset Password* screen displays again. Tap  to return to the *Network Setup* screen.

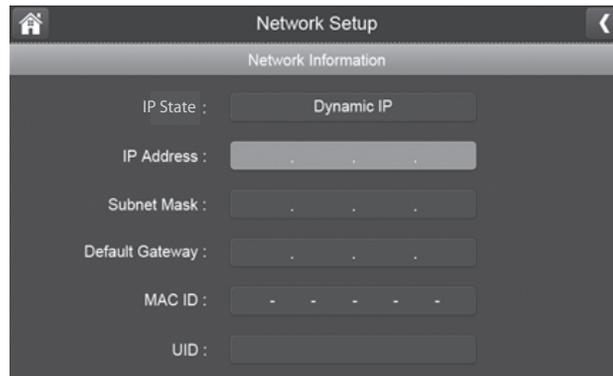


Tap  to return to the *General Settings* screen.

### **Information**

This screen displays current IP information when the system is connected to the internet.

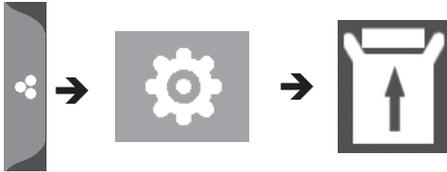
Tap  to display the *Information* screen, then tap  to return to the *Information* screen.



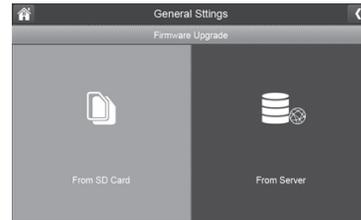
Tap  to return to the *General Settings* screen.

## FIRMWARE UPGRADE SCREEN

Tap the following icons as they appear on the screens:



This screen should display:



### *Upgrade from SD Card*

1. Tap  to upgrade the firmware through the SD card. A confirmation screen displays. Tap **YES**.



2. A warning screen displays, indicating that AC power must be connected. After verifying that AC power is connect, a progress screen displays.

**CAUTION: The monitor MUST be plugged into AC power before you begin the upgrade. If it is not, the monitor will freeze and must be reset (see page 47).**



3. When the update is complete, the monitor displays *Firmware Upgrade Successful* and automatically reboots.

### **Upgrade from Server**

1. Use the Ethernet cable (provided) to connect your monitor to your router.
2. Tap  to upgrade the firmware through the Server.
3. A confirmation screen displays. Tap **YES**.
4. The system checks to see if new firmware is available. If new firmware is available, the monitor installs it and automatically reboots.

# UDR780HD OPERATION BASICS

This section gives you instructions on how to perform the most commonly used actions for the UDR780HD. There is also a table of other actions you might find useful.

## MANUALLY RECORDING LIVE VIDEO (NOT SCHEDULED)

1. From a single-channel mode *Live View* screen, tap the blue  for the camera to begin recording. The icon blinks and turns red while recording.
2. Tap it again to stop recording. The icon stops blinking and turns blue.

You can record from all cameras at the same time. However, you must manually activate recording on each camera. Repeat the steps above for each camera.

## PLAYING BACK RECORDED VIDEO

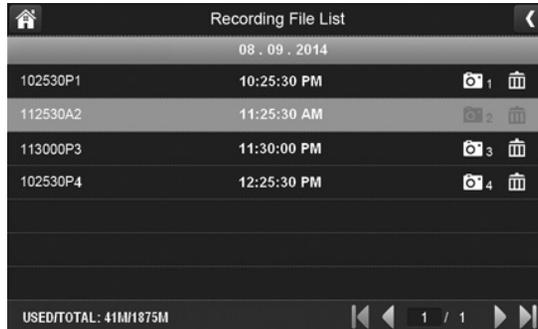
There are two ways to access recorded video files. You can either tap the SD card icon () on the *Live View* screen or you can tap the Playback pop-up menu (). Either way, the following screen displays.



The screenshot shows a 'Recording File List' screen. At the top, there is a home icon, the title 'Recording File List', and a back arrow. Below the title is a navigation bar with a calendar icon, the text 'June 2014', and a right arrow. To the right of the calendar are four camera icons labeled 1, 2, 3, and 4. The main area is a calendar grid with days of the week (Sun, Mon, Tue, Wed, Thu, Fri, Sat) as columns and dates (1-30) as rows. The date '6' is highlighted in a darker grey.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

1. Tap on the highlighted day containing the recording you want to view or on a specific camera to only view that camera's recordings. The *Recording File List* screen displays those recordings.



***If you tap on a day that is not highlighted, there will be no action taken at all.***

2. Tap on the recording you want to view. It begins playing. Control icons display across the bottom of the screen (see page 19).
3. Tap on any area of the screen that does not have control icons to bring up the playback progress bar. Tap any area again to close it. While playback progress is visible, you can fast forward/rewind by dragging the playback bar forwards or backwards.

***On the playback progress bar, tap the double arrow to skip forward or backwards about 10 seconds. Tap the arrow and bar to skip to the next or previous video.***

4. When playback ends, tap  to return to the *Recording File List*.

## ADDING NEW CAMERAS

Your monitor supports a total of four active cameras at a time; your UDR780HD comes with two cameras already paired to your monitor. When you add a camera, you have to pair it to the monitor (that is, you have to "introduce" the camera and monitor to each other so they can communicate).

- If a camera is already assigned to the channel you want to assign the new camera to, the monitor overwrites the existing camera link with the new one.

- Only pair one camera at a time! The monitor links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the monitor will detect first.

## PAIR CAMERAS

1. From the *Pairing Camera* screen (see "Pairing" on page 23), tap the camera image you want to pair. A processing icon displays for a 30 second countdown.
2. During the 30 second countdown, quickly press and release the Pairing button on that camera (see "Pairing" on page 23).
3. The system automatically adjusts the *Live View* screen accordingly.

## UDR780HD BASIC OPERATION

To do this...	From monitor, do this...
Manually start/stop recording video	<ol style="list-style-type: none"> <li>1. Tap the blue  icon on the monitor screen. The icon turns red and flashes, indicating that recording has started.</li> <li>2. Tap the icon again to stop recording. The icon turns blue.</li> </ol>
Set up automatic recording schedule	<ol style="list-style-type: none"> <li>1. From <i>General Settings/Recording Setup</i>, tap  icon. The <i>Schedule Recording Overview</i> screen displays.</li> <li>2. Tap <b>MODIFY</b> to view the <i>Recording Setup screen</i>. (See "Schedule Recording" on page 26.)</li> </ol>
Delete recording schedule	<ol style="list-style-type: none"> <li>1. From <i>General Settings/Recording Setup</i>, tap  icon. The <i>Schedule Recording Overview</i> screen displays.</li> <li>2. Select the day you want to modify and tap <b>MODIFY</b> to view the recording schedule for that day (See page 26.)</li> <li>3. Select the camera(s) whose schedule you want to delete. Enter the schedule (or part of a schedule) you want to delete and tap <b>DELETE</b>.</li> </ol>

To do this...	From monitor, do this...
Watch recorded video	<ol style="list-style-type: none"> <li>1. From the main screen, tap the pop out menu tab and then tap . The <i>Recording File List</i> displays the recorded files.</li> <li>2. Tap the day you want to view, and then tap the file.</li> <li>3. The video begins playing (see page 17).</li> </ol>
Delete recorded videos	<ol style="list-style-type: none"> <li>1. From the <i>Recorded File List</i>, tap  icon.</li> <li>2. Tap <b>YES</b> to confirm deletion.</li> </ol>
Take snapshots	Download Uniden's U Guard app to take and manage snapshots of recorded video.
View snapshots	Download Uniden's U Guard app to take and manage snapshots of recorded video.
Delete snapshots	Download Uniden's U Guard app to take and manage snapshots of recorded video.
Change password (mobile device only)	Go to Network Setup/Reset Password (see page 36) to change the U Guard app password.
Reset password (Resets the app password)	<ol style="list-style-type: none"> <li>1. From <i>General Settings/Network Setup</i>, tap .</li> <li>2. Tap <b>YES</b> to confirm the change.</li> <li>3. The app returns to the default password (000000).</li> </ol>
Hear audio from camera	<p>From the <i>Live View</i> screen, tap . Sound is now audible through the monitor.</p> <p>Tap the icon again to turn sound off.</p>

To do this...	From monitor, do this...
Change channels (view a different camera)	<ol style="list-style-type: none"> <li>1. Tap the  icon.</li> <li>2. The next channel displays.</li> </ol>
the camera's signal status icon shows no bars	<ol style="list-style-type: none"> <li>1. Make sure the camera is plugged in.</li> <li>2. Make sure that the camera's antenna is attached and the monitor's antenna is extended.</li> <li>3. Make sure the camera is paired to the correct channel.</li> <li>4. Re-pair the camera and monitor.</li> </ol>
the camera won't pair with the monitor	<ol style="list-style-type: none"> <li>1. Make sure the camera is plugged in.</li> <li>2. Press and release the pairing button quickly. Do not press and hold the pairing button.</li> </ol>

# MAINTAINING YOUR SYSTEM

## UPGRADING YOUR UDR780HD MONITOR FIRMWARE

We are ready to help you upgrade your monitor firmware if necessary. Go to [www.uniden.com](http://www.uniden.com) and search for the UDR780HD product page. Follow the instructions there.

***CAUTION: The monitor MUST be plugged into AC power before you begin the upgrade. If it is not, the monitor will freeze and must be reset (see page 47).***

## TAKING CARE OF YOUR HARDWARE

### MONITOR

Keep the screen clean by wiping it with a microfiber cloth to remove fingerprints, dust, etc.

### CAMERAS

When dust and grime builds up on the camera lens and glass, it affects night vision capability. The infrared light reflects off of the dust and grime, limiting the camera's "vision." Use a microfiber cloth to regularly clean the cameras or when night vision video is cloudy or unclear.

## MANAGING RECORDED FILES

Over time, your SD card will fill up with recorded files. If there are files you need to keep, transfer them to your computer for storage and remote viewing. Otherwise, reformat your SD card every 4 to 6 weeks (see page 32).

## COPYING FILES FROM THE SD CARD TO YOUR COMPUTER

1. Remove the SD card from the monitor. Insert it into the SD card adapter (included).
2. Insert it into your computer's SD card slot.
3. Navigate to the SD card and locate your files.
4. Copy them to the computer. These files can now be deleted from the SD card or the SD card can be formatted.

# SOLVING PROBLEMS

If you have any trouble with your system, try these simple steps. If you are still having a problem with your camera, check the manual that came with your camera. If you still have a question, visit the Uniden website at [www.uniden.com](http://www.uniden.com) for assistance.

If...	Try..
The motion sensor won't respond to movement.	<ul style="list-style-type: none"> <li>• Increasing the sensitivity of the motion sensor (see page 33).</li> <li>• Checking the masking pattern (see page 34).</li> </ul>
The motion sensor goes off when there's nothing there.	<ul style="list-style-type: none"> <li>• Decreasing the sensitivity of the motion sensor (see page 33).</li> <li>• Checking placement considerations (see page 10).</li> </ul>
I can't play my video clips in another program.	<ul style="list-style-type: none"> <li>• For MAC: Download another video payer such as Elmedia player.</li> <li>• For PC: Video will play in players such as Windows Media® Player if an H.264 CODEC plug-in is installed.</li> </ul>
I schedule a recording, save the schedule, and the recording does not happen at the scheduled time.	<ul style="list-style-type: none"> <li>• Check the settings on the <i>Schedule Recording Setup</i> screen (see page 26.)</li> <li>• Ensure that the system time is set to the current time.</li> <li>• Make sure that the SD card is inserted into the monitor and there is still memory available on that card.</li> </ul>
The camera's signal status icon shows no bars.	<ul style="list-style-type: none"> <li>• making sure the camera is plugged in.</li> <li>• making sure the camera is paired to the correct channel.</li> <li>• re-pairing the camera and monitor.</li> <li>• moving the camera closer to the monitor; it might be out of range.</li> <li>• making sure the camera is turned on in Camera Setup (see page 24).</li> </ul>
The camera's signal status icon shows one or two bars or the video quality is poor.	See page 9 for tips on improving video quality.

If...	Try..
The camera won't pair with the monitor.	<ul style="list-style-type: none"> <li>• making sure the camera is plugged in.</li> <li>• pressing and releasing the pairing button quickly. Do not press and hold the pairing button.</li> <li>• Check if other cameras in the area are also in Pairing mode. Disconnect power to other cameras.</li> </ul>
When I power up my monitor and cameras for the first time, they seem to be on but there is no picture on the screen.	<ul style="list-style-type: none"> <li>• verifying that the cameras are turned on (see page 24).</li> <li>• verifying that the monitor is displaying a channel with a camera assigned to it.</li> </ul>
The monitor picture has frozen.	Using a blunt object like an unbent paper clip to press <b>RESET</b> on the back of the monitor to reset the monitor. The monitor turns off. Press <b>POWER</b> to turn it back on.
I cannot remotely access my recorded files.	<ul style="list-style-type: none"> <li>• Verify that the monitor is connected to the internet.</li> <li>• Verify that the time zone is set correctly for the monitor.</li> </ul> <p style="text-align: center;"><b><i>If you are away from your system, you will need someone to verify these items for you.</i></b></p>

## INTERFERENCE

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules and ETSI (EN) 300328. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Move the equipment away from the monitor.
- Plug the equipment into an outlet on a circuit different from that to which the monitor is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

***CAUTION! Any changes or modifications to this equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.***

# SPECIFICATIONS

Camera Specifications	
Image Sensor - ok	1/2.7 inch FHD Single chip CMOS Image Sensor
Effective Pixel Area	1920 (H) x 1080 (V)
Image Processing Format	H.264
Image Resolution / Frame Rate	Full High Definition 1080p (FHD) @10fps / High Definition 720p @ 24fps
Lens	3.6mm F1.8
Low Light Resolution	<8~15 lux IR on
Low Light Solution	24 IR LEDs, 1 low light sensor
Night Vision	Up to 40 feet
IR cut filter	Yes
Viewing Angle / Field of View	92°
Automatic Gain Control	Auto
Automatic Electric Shutter (AES) Speed	1/10~1/270100 Second
White Balance	Auto
Power Requirement	9V 600mA DC +/-10%
Power Consumption	240mA W/O IR, 540mA with IR
Operating Temperature Range	+14° F to 122° F (-10° C to +50° C)
Operating Humidity Range	0%~ 85%
Dimensions	8.3 x 3.2 x 3.6 in (211 x 82 x 93mm)

### Camera Specifications

Environment Rating	IP65
RoHS Compliance (Hazardous Substances)	Yes
FCC ID	SJ8UDRC58
IC ID	7644A-UDRC58
Camera Housing Material	Metal

### Monitor Specifications

Display Size / Type	7" TFT LCD Panel
Resolution	1024 x 600
Viewing Angle	H:120° V:140°
Response Time	Ton (Rise): 10ms Toff (Fall): 15ms
Power Requirement	5V/2A DC +/-10%
Power Consumption	750mA (Typical) 250mA (Charging current)
Battery Type/Capacity	3.7V 2000mAh
Hours of Battery Operation	2 hr
Operating Temperature Range	0~40° C
Operating Humidity Range	0~85%
Dimensions	10.25 x 6.02 x .75 in, 260.5 x 153 x 19 mm
Regulation Compliance	FCC Part 15C 247/IC RSS210

Monitor Specifications	
RoHS Compliance (Hazardous Substances)	Yes
FCC ID	SJ8-UDR780HD
IC ID	7644A-UDR780HD

Recording/Display		
Remote viewing via Android/iOS	Yes	
Remote viewing to live and recorded video	Yes	
2-Way Audio	Yes	
Record to SD Card	Yes	
Multiple Camera Recording	Yes	
Dual motion detection recording	Yes	
Scheduled	Yes	
Cameras supported	Yes	
Digital zoom	Yes	
Recording capacity at maximum	<b>720p</b>	<b>1080p</b>
1 GB	1.2 hrs	1 hrs
2 GB	2.5 hrs	2.2 hrs
4 GB	4.9 hrs	4.3 hrs
<b>Included 8 GB</b>	<b>10 hrs</b>	<b>8.6 hrs</b>
16 GB	19.8 hrs	17.1 hrs
32 GB	39.7 hrs	34.3 hrs

<b>Recording/Display</b>		
64 GB	79.5 hrs	68.5 hrs
128 GB	159.0 hrs	137.0 hrs

# COMPLIANCE INFORMATION

## **RF Exposure Information**

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.9") from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

## **FCC Part 15 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: 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). Disconnect the battery from the Product & separately secure the battery in its own separate packaging within the shipping carton. 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

