

Uniden®

GNVR 85XX Series Security System

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OWNER'S MANUAL

IMPORTANT SAFEGUARDS



WARNING

**RISK OF ELECTRICAL SHOCK
DO NOT OPEN**



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

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

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

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

In addition to the careful attention devoted to quality standards in the manufacturing process of your product, safety is a major factor in the design of every instrument. However, safety is your responsibility too. This section lists important information that will help to ensure your enjoyment and proper use of the product and accessory equipment. Please read them carefully before operating and using your product.

GENERAL PRECAUTIONS

1. All warnings and instructions in this manual should be followed.
2. Remove the plug from the outlet before cleaning. Do not use liquid aerosol detergents. Use a water-dampened cloth for cleaning.
3. Do not use this product in humid or wet places.
4. Keep enough space around the product for ventilation. Slots and openings in the storage cabinet should not be blocked.
5. It is highly recommended to connect the product to a surge protector to protect from damage caused by electrical surges. It is also recommended to connect the product to an uninterruptible power supply (UPS), which has an internal battery that will keep the product running in the event of a power outage.

INSTRUCTIONS

1. **Read and Follow Instructions** - All the safety and operating instructions should be read before the product is set up and used. Follow all operating instructions.
2. **Retain Instructions** - These safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - Comply with all warnings on the product and in the operating instructions.
4. **Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your location, consult your video dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.
5. **Overloading** - Do not overload wall outlets or extension cords as this can result in the risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicates damage or deteriorated insulation, have it replaced by your service technician.
6. **Power-Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
7. **Surge Protectors** - It is highly recommended that the product be connected to a surge protector. Doing so will protect the product from damage caused by power surges.
8. **Uninterruptible Power Supplies (UPS)** - As this product is designed for continuous, 24/7 operation, it is recommended that you connect the product to an uninterruptible power supply. An uninterruptible power supply has an internal battery that will keep the product running in the event of a power outage.
9. **Ventilation** - Slots and openings in the case are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a

built-in installation such as a bookcase or rack unless proper ventilation is provided and the product manufacturer's instructions have been followed.

10. **Water and Moisture** - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, near a swimming pool, etc.
11. **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
12. **Accessories** - Do not place this product on an unstable cart, stand, tripod, or table. The product may fall, causing serious damage to the product. Use this product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer.
13. **Camera Extension Cables** - Check the rating of your extension cable(s) to verify compliance with your local authority regulations prior to installation.
14. **Mounting** - The cameras provided with this system should be mounted only as instructed in this guide or the instructions that came with your cameras, using the provided mounting brackets.
15. **Camera Installation** - Cameras are not intended for submersion in water. Not all cameras can be installed outdoors. Check your camera environmental rating to confirm if they can be installed outdoors. When installing cameras outdoors, installation in a sheltered area is required.

SERVICE

1. **Servicing** - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
2. **Conditions Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power supply cord or plug is damaged.
 - If liquid has been spilled or objects have fallen into the product.
 - If the product has been exposed to rain or water.
 - If the product has been dropped or the cabinet has been damaged.

- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - When the product exhibits a distinct change in performance. This indicates a need for service.
3. **Replacement Parts** - When replacement parts are required, have the service technician verify that the replacements used have the same safety characteristics as the original parts. Use of replacements specified by the product manufacturer can prevent fire, electric shock, or other hazards.
 4. **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the product is in safe operating condition.

USE

1. **Cleaning** - Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
2. **Product and Cart Combination** - When product is installed on a cart, product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
3. **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or “short-out” parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
4. **Lightning** - For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.

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INTRODUCTION

OVERVIEW

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

- High definition 1080p recording.
- Real-time recording at 25fps per channel.
- 24/7 security-grade hard drive.
- Continuous, scheduled, and motion recording.
- H.264 video compression.
- HDMI cable included for simple connection to HD TVs.
- PTZ cameras supported, remotely controlled through a mobile App.
- Accurate time stamps with NTP & daylight savings time.
- Digital zoom in live view and playback.
- 2 video outputs (HDMI & VGA) to connect multiple monitor types.
- Instant USB backup of live video from selected camera.
- Upgradeable firmware.
- 3-Step remote view.
- Free Uniden GuardianLive iOS and Android compatible apps with live viewing, playback, video recording, and snapshot capability.
- Instant email alerts with attached snapshots.

What's in the Box

Model	8-Ch NVR	Outdoor Camera
		
GNVR 8540	1	4
GNVR 8580	1	8

Each NVR comes with:

1. Power Cable
2. HDMI Cable
3. Mouse
4. Ethernet Cable



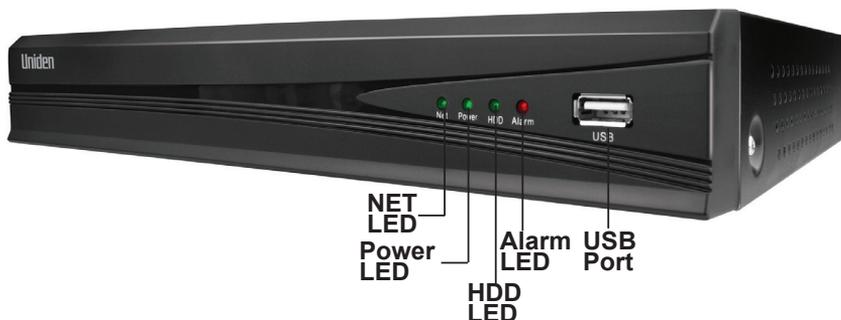
Each Camera comes with:

5. 30m Cat5E Cable
6. Mounting Hardware (not shown here)



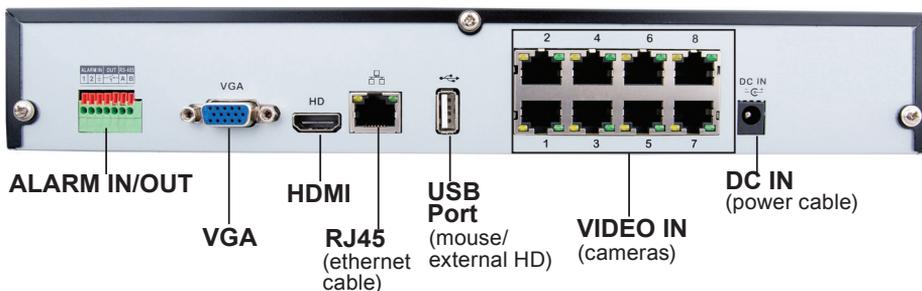
Getting to Know Your GNVR

Front



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

Back



1	RS485 and Alarm In/Out Connections: Connect external alarm devices.
2	VGA: Connect a VGA monitor (not included) to view the system interface, and live or recorded playback.
3	HDMI: Connect the included HDMI cable from this port to an HDMI monitor or TV (not included) to view the system interface, and live or recorded playback.
4	WAN: Connect the included CAT5E Ethernet cable to your existing router or network for local and remote connectivity.

5	USB port: Connect the included USB mouse.
6	Camera Input: Connect the Uniden 1080P Wired HD cameras.
7	DC IN: Connect the included AC power adapter.

INSTALLING THE GNVR

Before installing the GNVR, take into consideration the following points.

- Ideally, choose a location that is central and has easy access to the mains power.
- To get the most out of the 'remote viewing' feature, please ensure that the GNVR is located near the modem/router or Ethernet network point.
- Choose a secure location to avoid tampering, however, avoid enclosed areas as that might lead to overheating of the unit.
- Be careful and ensure that the ventilation holes on the side of the GNVR is not blocked.

GETTING TO KNOW YOUR CAMERAS

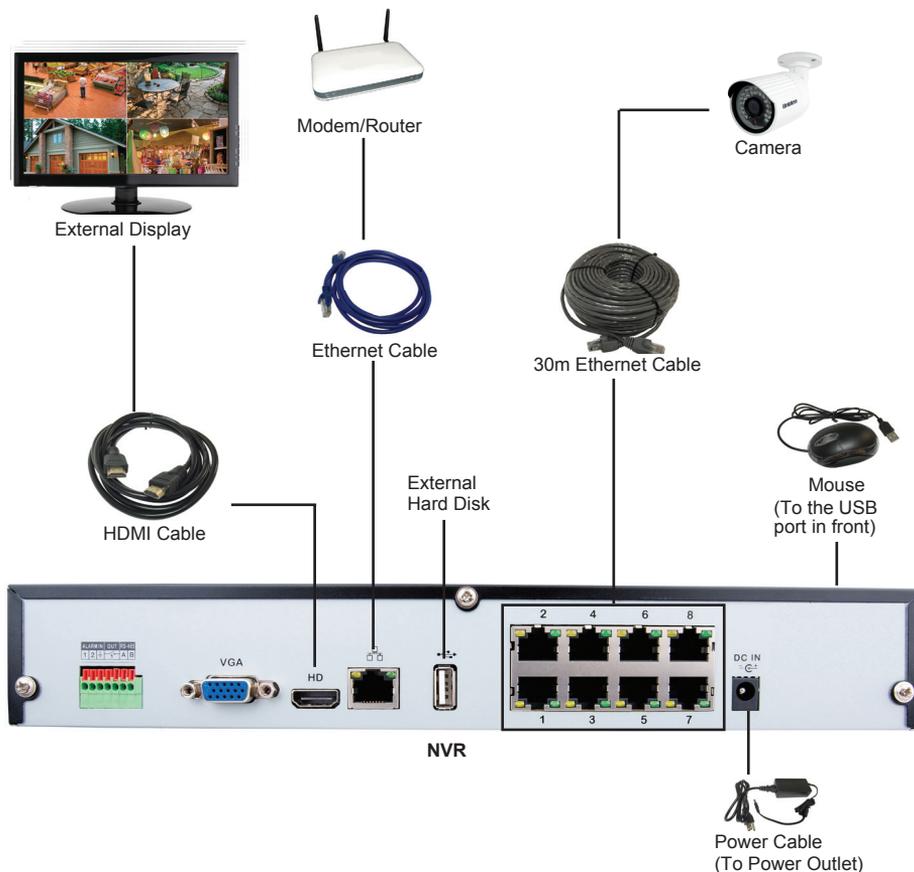


Ideally, outdoor cameras should be easily visible whereas making it a deterrent for intruders.

HARDWARE CONNECTIONS

Follow the steps below to connect the GNVR and the camera(s).

1. Connect the camera to the 30m Ethernet cable and plug the cable into the VIDEO IN port on the GNVR.
2. Connect the HDMI cable (supplied) to the HDMI port on the GNVR and to the external display device (TV/PC) or the VGA cable (not supplied) to the VGA port.
3. Connect the Mouse to one of the USB ports on the GNVR.
4. Connect the Ethernet cable to the RJ45 port on the GNVR and to your modem/router (remote viewing).
5. Plug the GNVR's Power Cable jack into the DC IN port and the other end to a power outlet.



INSTALLING THE CAMERAS

Installation Tips

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

Installing the Cameras

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

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



Table Mount



Wall Mount

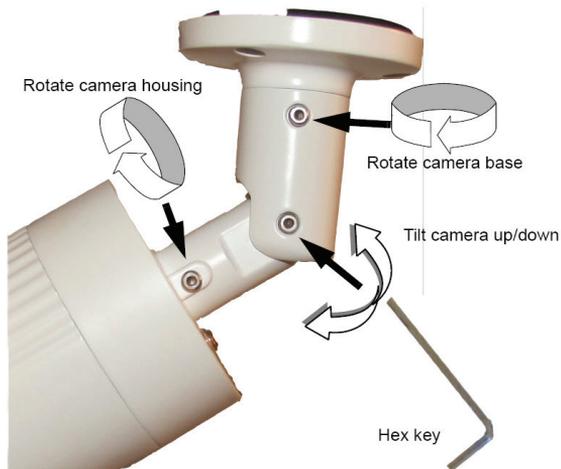


Ceiling Mount

Camera Mounting Options

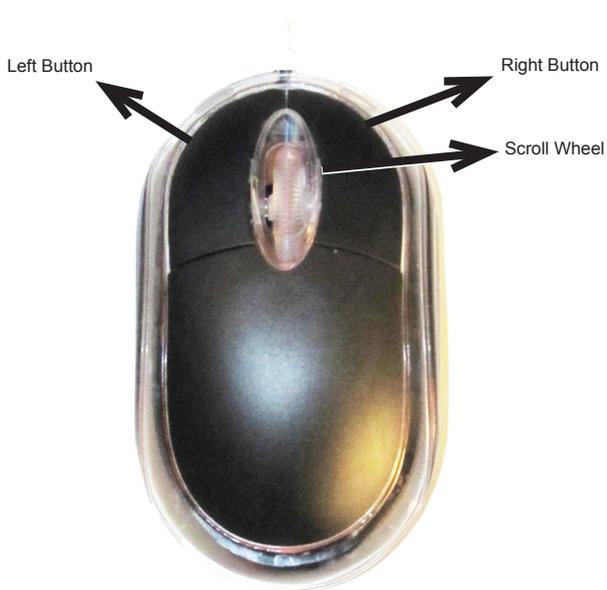
Adjusting the Camera View Angle

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



Camera View Angle Adjustments

Mouse Features



LEFT BUTTON

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

RIGHT BUTTON

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

SCROLL WHEEL

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

BASIC OPERATION

START UP THE GNVR SYSTEM

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



GNVR Multi-Screen

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

On-Screen Display

The GNVR system shows the following for all live views.



Main Menu

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

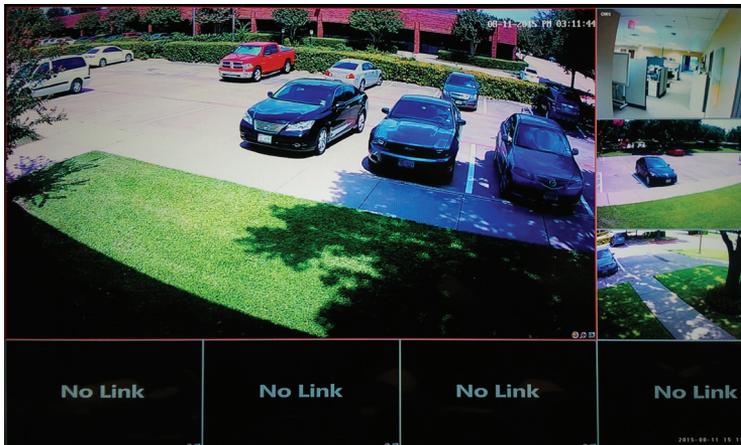


The following features are available without having to log in.

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

Working With Multiple Live View Screens

This is a typical view of the 8 Screen format.



8-Screen Format

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

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

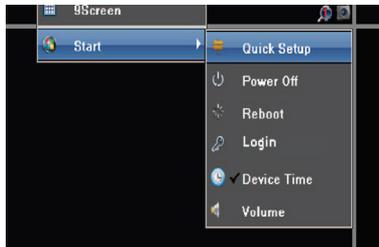


Full Screen

Log into the System

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

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



Access Login Screen

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



Login Screen

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

Change Password

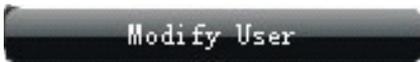
Note: It is strongly recommended that you add a password to your system.

1. Right click the screen to display the Main Menu, then left click **Setting**.
2. Click Account. 

3. Click the **admin** field.

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

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



SET THE DEVICE TIME

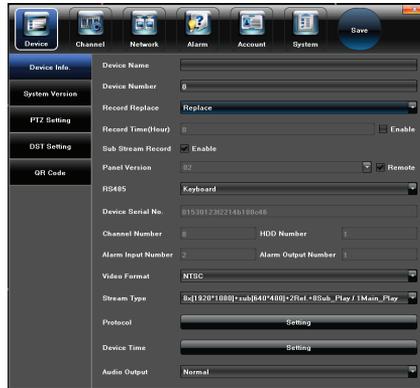
After logging in, access the *Settings* menu to set the GNVR system date and time.

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



Main Menu Screen

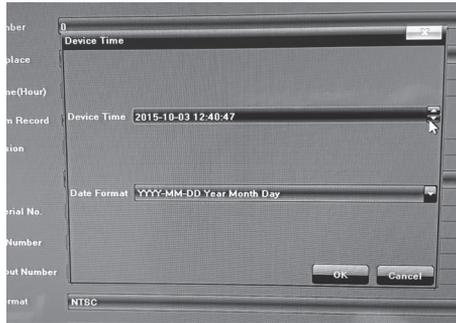
- Click **Setting**. **Setting Menu** displays:



Setting Screen

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





Accessing Device Time

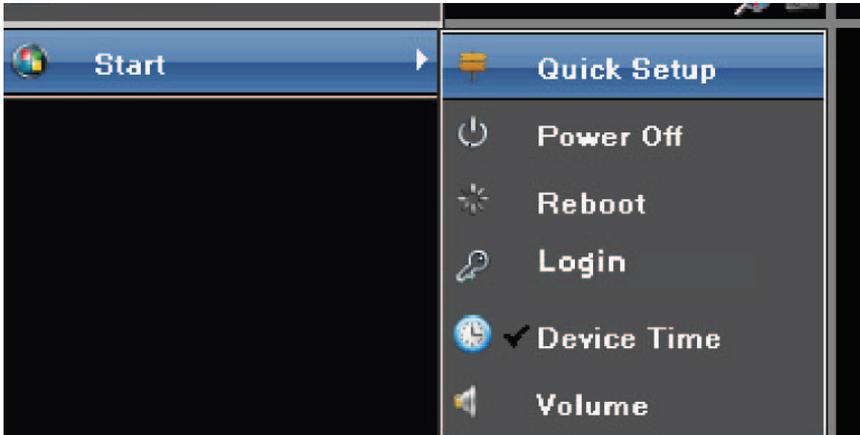
4. To set the date and time for your location, click the desired field and then click the up or down arrows. Click *OK* when complete.

ADVANCED OPERATION

LOG INTO THE SYSTEM

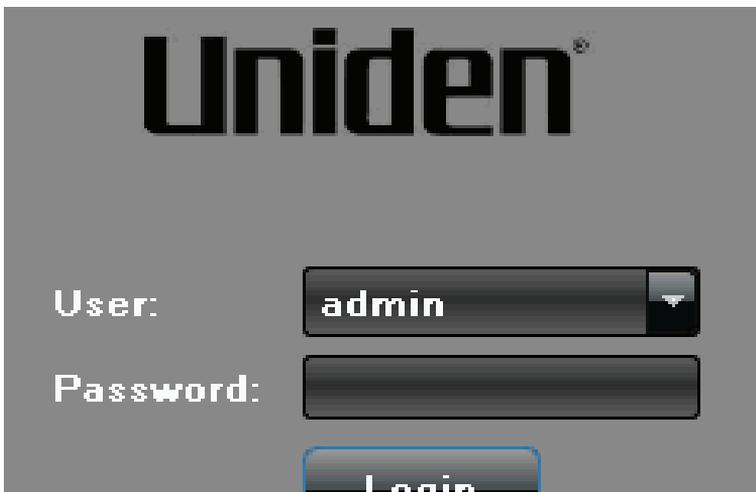
To access the Advanced Settings in the Main Menu, log into the system.

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



Access Login Screen

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



Login Screen

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

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

ADVANCED SETTINGS IN MAIN MENU

Right-click to access Main Menu



Playback - Play video files stored on the hard disk

Backup - Backup video and capture files to an external storage device

PTZ - Set controls for a camera designed to Pan-Tilt-Zoom

Capture - Saves a photo of the image displayed on the screen

ALARM - Set alarms for motion detection, video loss, tampering, and other functions

File Manager - Organizes saved video and captured files.

Setting - Configure Device, Channel, Network, Alarm, and System parameters

Record - Set up recording for individual or all channels.

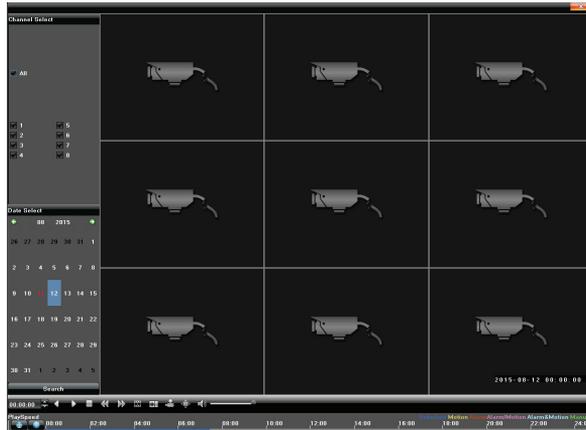
Display Setting - Set parameters for Text Language, Auto Logout, Image Display, Image Resolution, Camera Display Sequence

Image Setting - Set brightness, contrast, saturation, and hue for individual channels

IP Channel Setting - Configure network for the system

Playback

The **Playback** screen replays recorded video from each individual channel. First select cameras and date and click Search. Recording will then be listed at the bottom. Click the desired time to playback recording at that time frame.



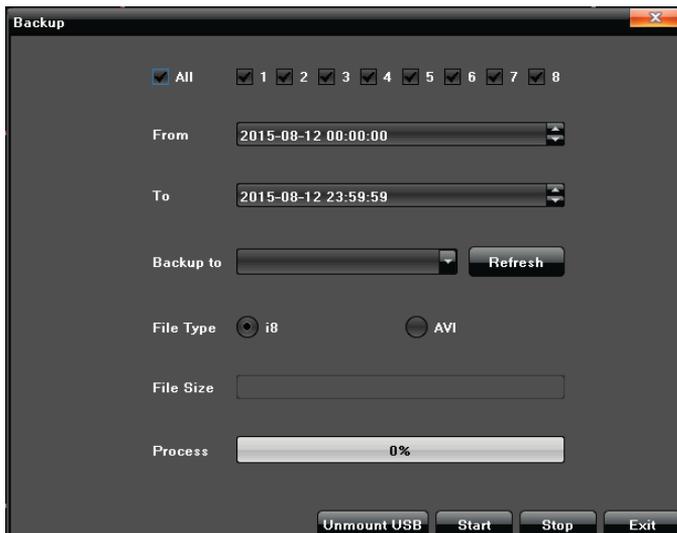
Playback Menu

- Backward: Play video backwards.
- Play: Play video normally.
- Pause: Pause the current playback.
- Stop: Stop the current playback.
- Slow: Slow down the playback speed (1/2, 1/4, 1/8, 1/16 times available).
- Fast: Speed up the playback process (2, 4, 8, 16 times available).
- Frame play: Play recording one frame at a time with each mouse click.
- Snapshot: Take a screen capture of any playback channel.
- Backup: Make a backup video for any channel.
- Full screen: Video image playback on full screen.
- Volume: Adjust the volume of playback audio.
- Double-click channel bar or click "Play" button to play the video (compatible camera required).
- Double-click any single channel screen to get full screen display.

Backup

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

1. Access the Backup Menu.



Backup Menu

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



USB Port

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

PTZ (Pan-Tilt-Zoom)

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

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



PTZ Camera Parameters Menu

Presets

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

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

Cruise

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

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

Track

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

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

Capture

Capture allows you to take snapshots from live view.

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

Alarm

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

- Motion detection
- Video loss
- Tampering

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



Alarms List

File Manager

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



File Manager Screen

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

Setting

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

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

Device

Setting	Value
Device Name	
Device Number	0
Record Replace	Replace
Record Time(Hour)	0 <input type="checkbox"/> Enable
Sub Stream Record	<input checked="" type="checkbox"/> Enable
Panel Version	02 <input checked="" type="checkbox"/> Remote
RS485	Keyboard
Device Serial No.	01530123f2214b188c46
Channel Number	8
HDD Number	1
Alarm Input Number	2
Alarm Output Number	1
Video Format	NTSC
Stream Type	8x[1920*1080]+sub[640*480]+2Ref.+8Sub_Play / 1Main_Play

Setting Screen

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

Device Info

Set parameters or get information for the following:

- Device Name - Specify a name for the GNVR.
- Device Number - Assign a number to the device.
- Record Replace - Enable record overwrite.
- Record Time (Hour) - Set the time for a recording.
- Sub Stream Record - Enable recording of both high and low resolution video.
- Panel Version - NA
- RS485 - Choose between keyboard, PTZ, or 485 PelcoD.
- Device Serial No. - Shows the serial number assigned to the GNVR.

- Channel Number - Device channel capacity (8 or 16).
- HDD Number - The number assigned to the hard disk drive.
- Alarm Input Number - Number slot where the input from an alarm device connects to the GNVR rear panel.
- Alarm Output Number - Number lot where the output for an alarm device connects to the GNVR rear panel.
- Video Format - Choose between NTSC or PAL.
- Stream Type - Choose the resolution of the video stream.
- Protocol - Choose between 18, 18S, 18S Plug and Play, Onvif.
- Device Time - Set the GNVR time and date.
- Audio Output - Choose between Normal or HDMI.

System Version

This tab shows specific system information.



System Version Screen

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

PTZ Setting

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



PTZ Setting Screen

• CH - The channel number where a PTZ camera connects
Obtain the following information from the PTZ camera:

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

DST Setting

This screen sets Daylight Savings Time for the GNVR system.

1. Click the Enable box to activate the DST settings.
2. Set Daylight saving time to begin on the first Sunday in October and to end on the first Sunday in April.



Daylight Savings Time (DST) Screen

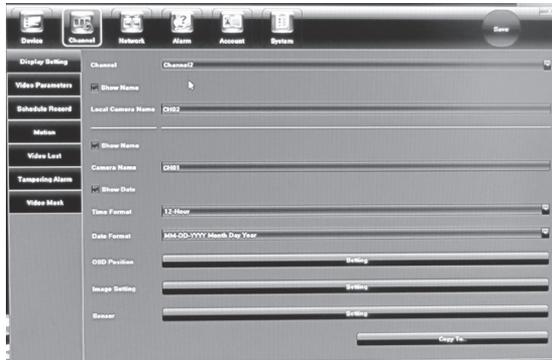
QR Code

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



QR Code Screen

Channel



Channel Screen

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

Display Setting

Sets parameters for each camera’s screen display.



Display Setting Screen

- CH - Choose the channel where the camera is connected.
- Show Name (1) - Choose to show or hide the Local Camera Name as shown on display.

- Show Name (2) - Choose to show or hide the Local Camera Name as stamped on the recording.
- Local Camera Name - Assign a name to specified camera.
- Show Date - Show or hide the current time and date for the selected camera.
- Time Format - Choose 24-hour or 12-hour time display.
- OSD Position - Sets the place on the screen where the camera name and date are stamped.
- Image Setting - Adjust the brightness, contrast, saturation and hue of the camera image.
- Sensor - Sets specifics for the camera sensor such as Day-Night IR settings, Exposure and Iris.
- Copy To - Allows copying all the display settings to other camera channels.

Video Parameters

This screen modifies video parameters for each camera.



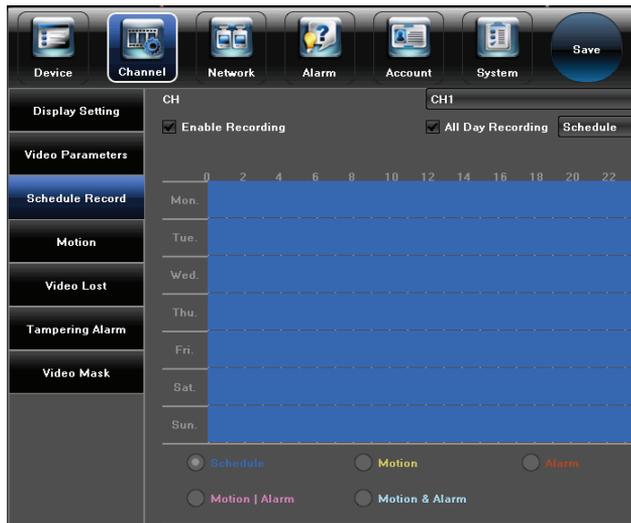
Video Parameters Screen

- Channel - Select the channel number to change parameters for each channel.
- Encoding Type - Choose from Main stream/ Sub stream.
- Stream type - Video or Video & Audio.
The included cameras do not support audio.
- Resolution - Settings for IPC supported resolution.

- Bit rate Type - CBR/VBR optional.
- Bit rate - Select the appropriate bit rate.
- Frame Rate - Choose frame rates from the drop-down list (Default = Full).
Higher resolution, bit rate, and frame rate increase the size of recorded video files.
- Video quality - Choose the video quality level (Default = Highest).
- Frame interval - Set the video frame interval (Default = 25).
- Copy To - Allows copying the settings to other camera channels.

Schedule Record

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



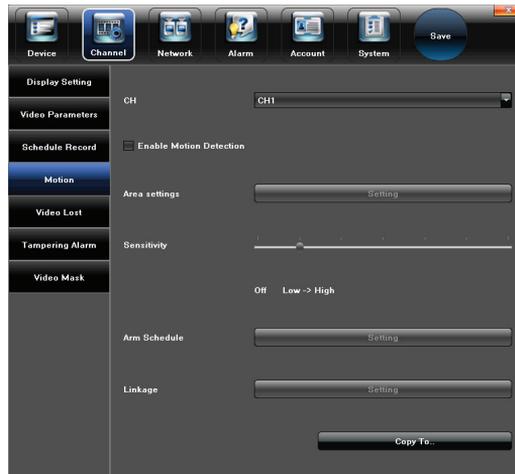
Schedule Recording Setting Screen

Set Scheduled Recording Times

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

Motion

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

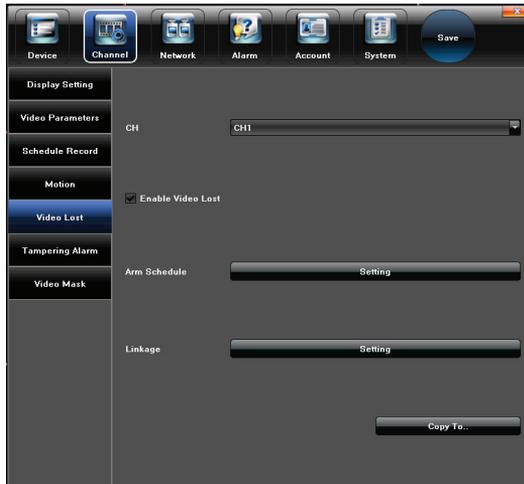


Motion Detection Setting Screen

- Channel - select relevant channel to change its motion parameter.
- Enable Motion Detection - Choose to enable motion detection.
- Area Setting - Set the area whereby the motion is to be detected.
 - It consists of area within enclosed red boxes. Use the mouse to set up area.
 - Left click and hold while you drag to set up the detect area.
 - Right click and hold while you drag to remove the detect area.
- Sensitivity: Set the sensitivity level for the motion detection.
- Alarm Schedule: Set up the alarm schedule.
- Linkage - Set up the alarms that need to be triggered when motion has been detected. Choose from audio warning, alarm on monitor, email, upload to center, alarm out and recording.

Video Lost

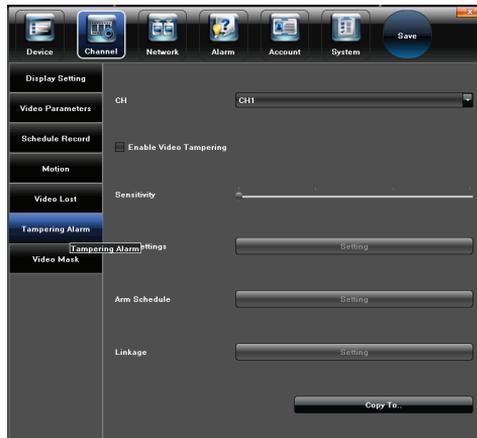
Set up an alarm notification in case a camera loses video. Use the Copy To feature to transfer the settings to other channels.



Video Lost Screen

Tampering Alarm

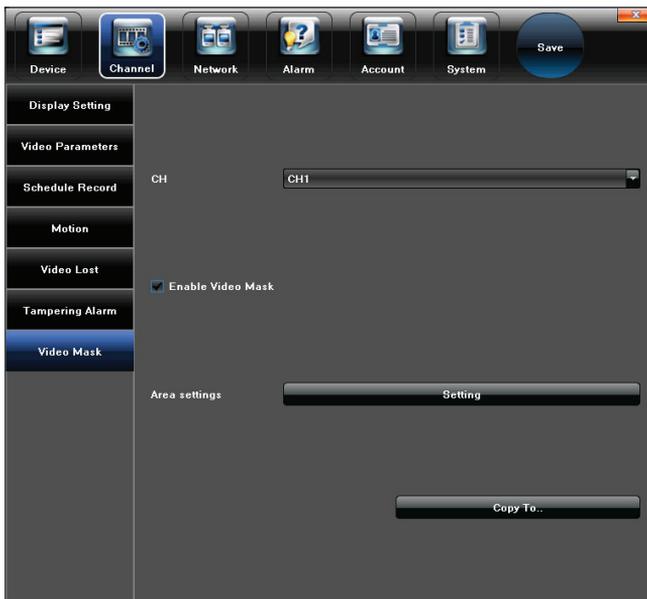
This screen sets parameters for triggering an alarm caused by tampering with a camera.



Tampering Alarm Screen

Video Mask

Use Video Mask to block off a portion of the camera's video. Blocked portions will be shown as black boxes.



Video Mask Screen

Network

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

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



Network Screen

Network Settings

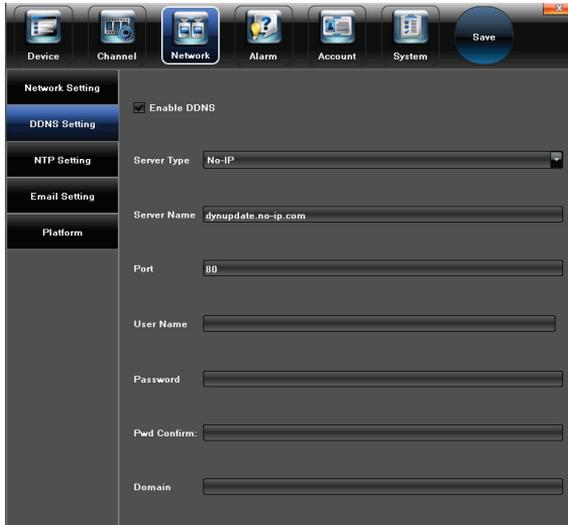
These settings do not require changes. The GNVR series support a P2P connection directly to the Uniden P2P Cloud Server for remote access to your system via an iPhone, iPad, and Android device using the Uniden GuardianLive app.



Network Settings Screen

DDNS Server Settings

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



The screenshot shows a network configuration interface with a top navigation bar containing icons for Device, Channel, Network, Alarm, Account, System, and Save. The left sidebar has a menu with options: Network Setting, DDNS Setting (highlighted), NTP Setting, Email Setting, and Platform. The main content area is titled 'Network Setting' and contains the following fields:

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

DDNS Settings Screen

NTP Settings

Set up Network Time Protocol.



The screenshot shows a network configuration interface with a top navigation bar containing icons for Device, Channel, Network, Alarm, Account, System, and Save. The left sidebar has a menu with options: Network Setting, DDNS Setting, NTP Setting (highlighted), and Email Setting. The main content area is titled 'Network Setting' and contains the following fields:

- Enable NTP
- Server Address: (text field)
- NTP Port: 123 (text field)
- Update Frequency: (text field) Minute
- Select Time Zone: GMT+11:00 Solomon Islands (dropdown menu)
- GMT: 12 (text field) Hour, 45 (text field) Minute, Adjust

NTP Settings Screen

This feature allows for time synchronization between DVR and network.
Internet connection is required.

Choose from the list of time zone provided.

You can turn off this feature by unticking 'Enable NTP'.

Email Setting

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

- Enter sender's email address and password. Gmail is recommended.

- Enter receiver's email address. You can also put user name if preferred.

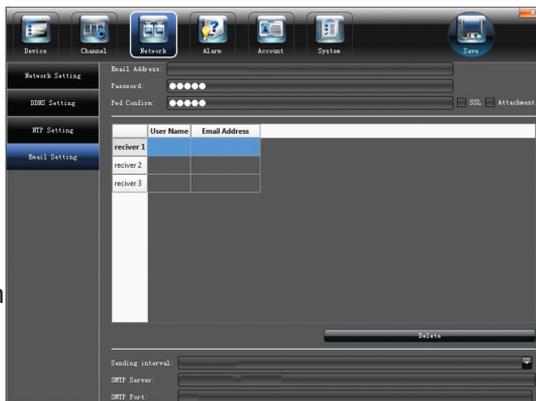
- Tick SSL.

- Choose desired sending interval.

- SMTP server: smtp.gmail.com (for Gmail)

- SMTP port: 465 (for Gmail)

If you use non Gmail, please check SMTP server info with email provider.



DDNS Setting Screen

Management Platform

Set parameters management protocol such as iCloud or WebServer.



Management Platform Screen

Alarm

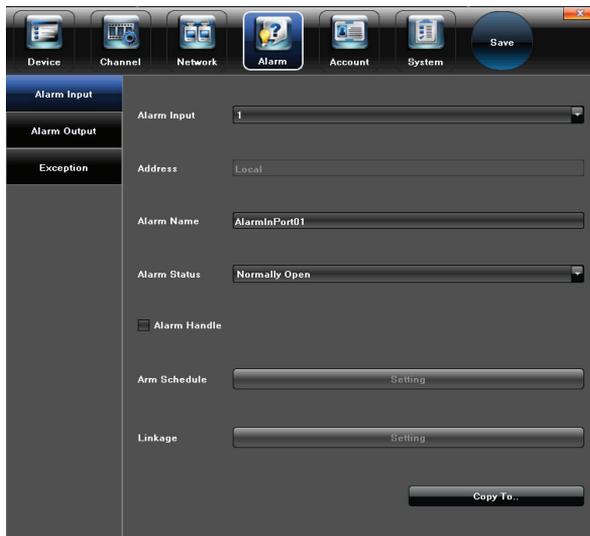
The **Alarm** screen allows configuring alarms for the GNVR system. The GNVR alerts you by popping up live video and playing sound alerts for events such as motion detection, video loss, or hard disk drive problems.



Alarm Screen

Alarm Input

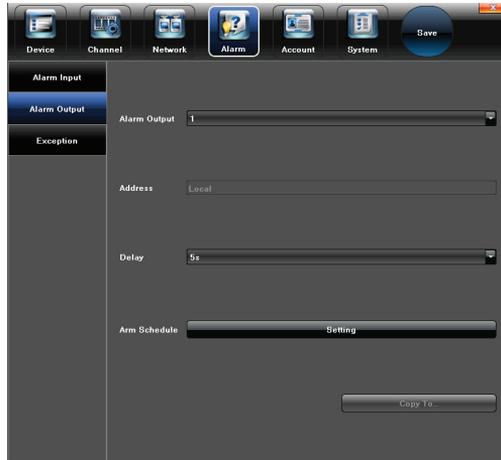
Enables alarm processing, sets the alarm schedule, and selects the trigger mode.



Alarm Input Screen

Alarm Output

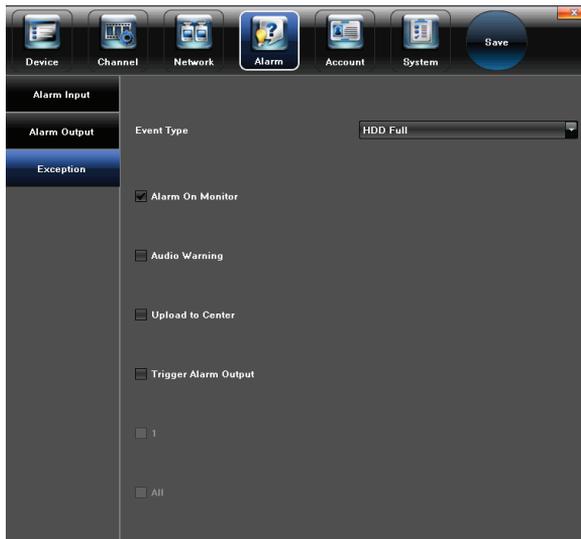
Sets the alarm output delay and alarm schedule.



Alarm Output Screen

Exception

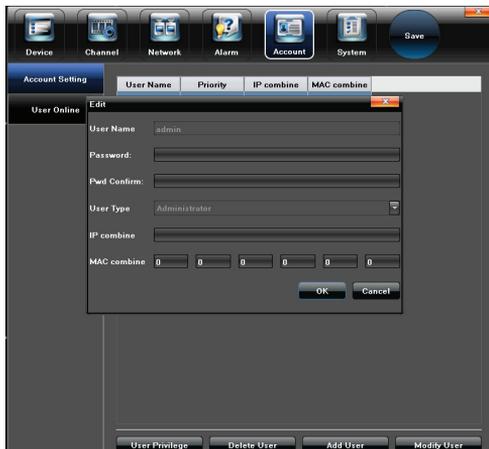
Sets parameters for alarm event types and alarm displays on the monitor. Allows you to choose an audio alarm type.



Alarm Exception Screen

Account

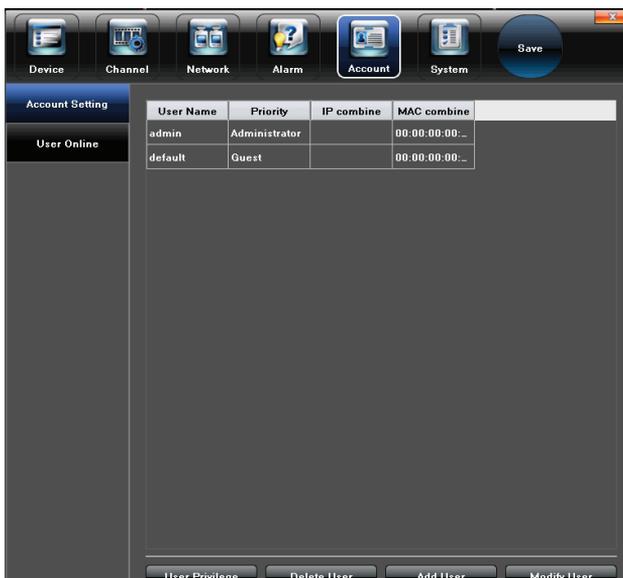
Enter details of the user account in this screen.



Account Screen

Account Setting

Enter user name, password, and specify user type.



Account Setting Screen

User Online

Check the status of an online user's connection.



User Online Screen

System

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

Device Log

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



System Screen - Device Log

Stream Info.

View the band width of data streaming for each channel.

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

System Screen - Stream Info.

HDD Setting

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

HDD No.	Capacity(MB)	Free Space	Status	Type	Serial N
1	1907729	17	Normal	Local Hard D.	1.0.0

System Screen - HDD Setting

Update

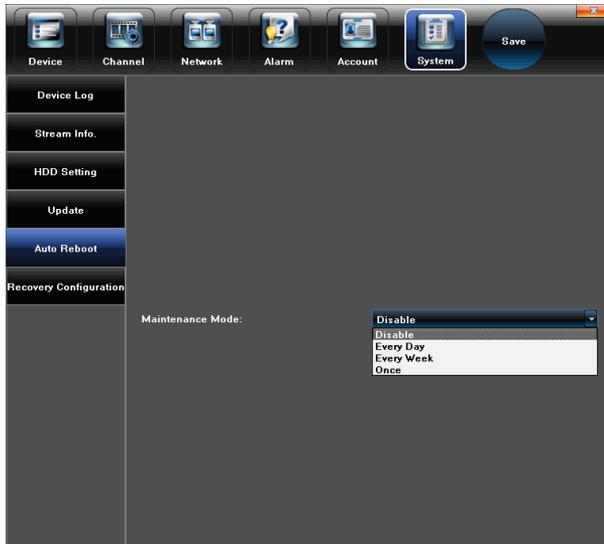
Update the GNVR system hardware.



System Screen - Update System

Auto Reboot

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



System Screen - Auto Reboot

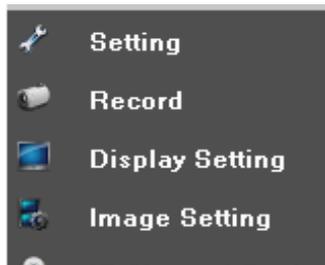
Recovery Configuration

Export or import a recovery configuration file.



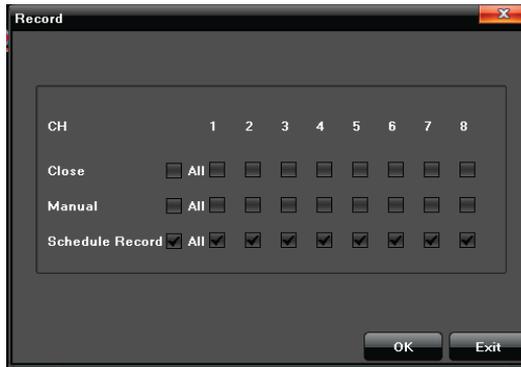
System Screen - Recovery Confirmation

Record



Main Menu - Record

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

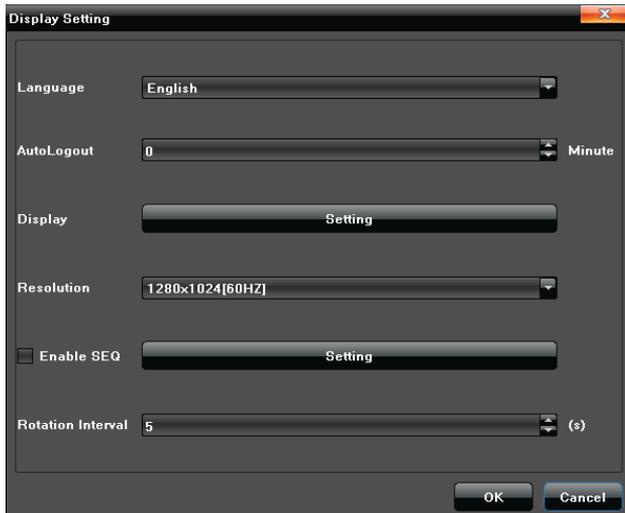


Record Screen

Display Setting



Main Menu - Display Setting



Display Setting Screen

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

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

Image Setting



Main Menu - Image Setting

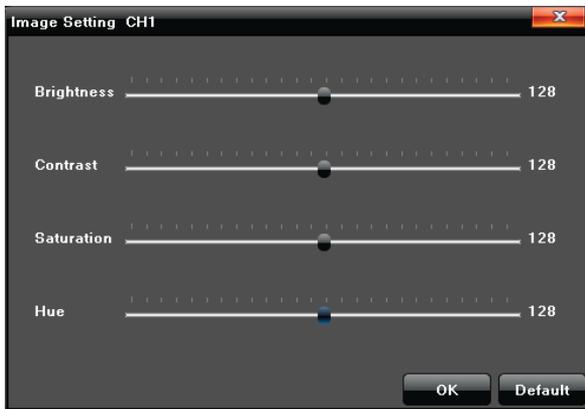


Image Setting Screen

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

- Brightness
- Contrast
- Saturation
- Hue

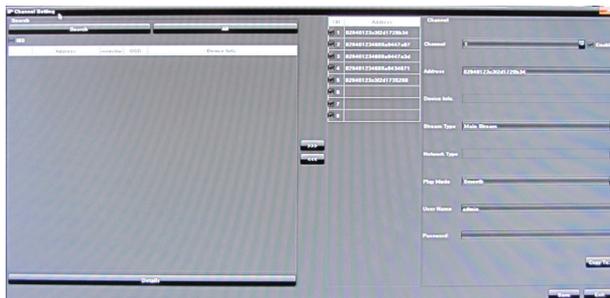
IP Channel Setting



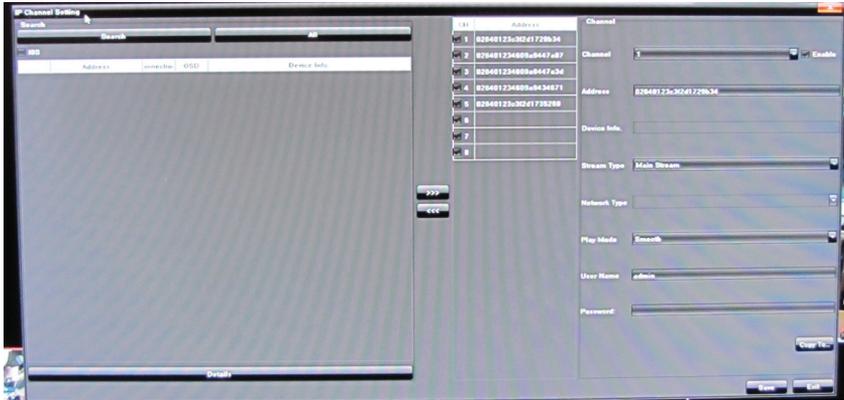
Main Menu - IP Channel Setting

IP Channel Setting - Manual

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



IP Channel Setting - Manual



IP Channel Setting Screen

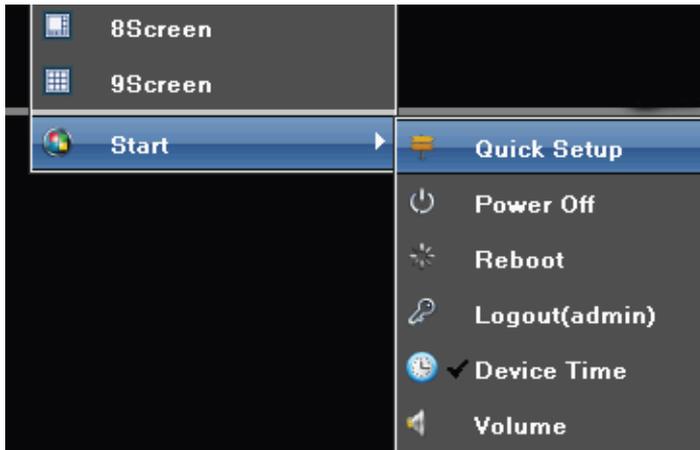
This **IP Channel Setting** screen allows setting up parameters for connecting the GNVR system to the Internet.

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

OTHER MAIN MENU OPTIONS

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

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



Main Menu Features Under Start

QUICK SETUP

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

POWER OFF

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



Main Menu - Power Off

REBOOT

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



Main Menu - Reboot

LOGOUT

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



Main Menu - Logout

DEVICE TIME

Click **Device Time** to display the date and time on the bottom right of the screen.



Main Menu - Device Time

VOLUME

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



Main Menu - Volume

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

GUARDIANLIVE APP

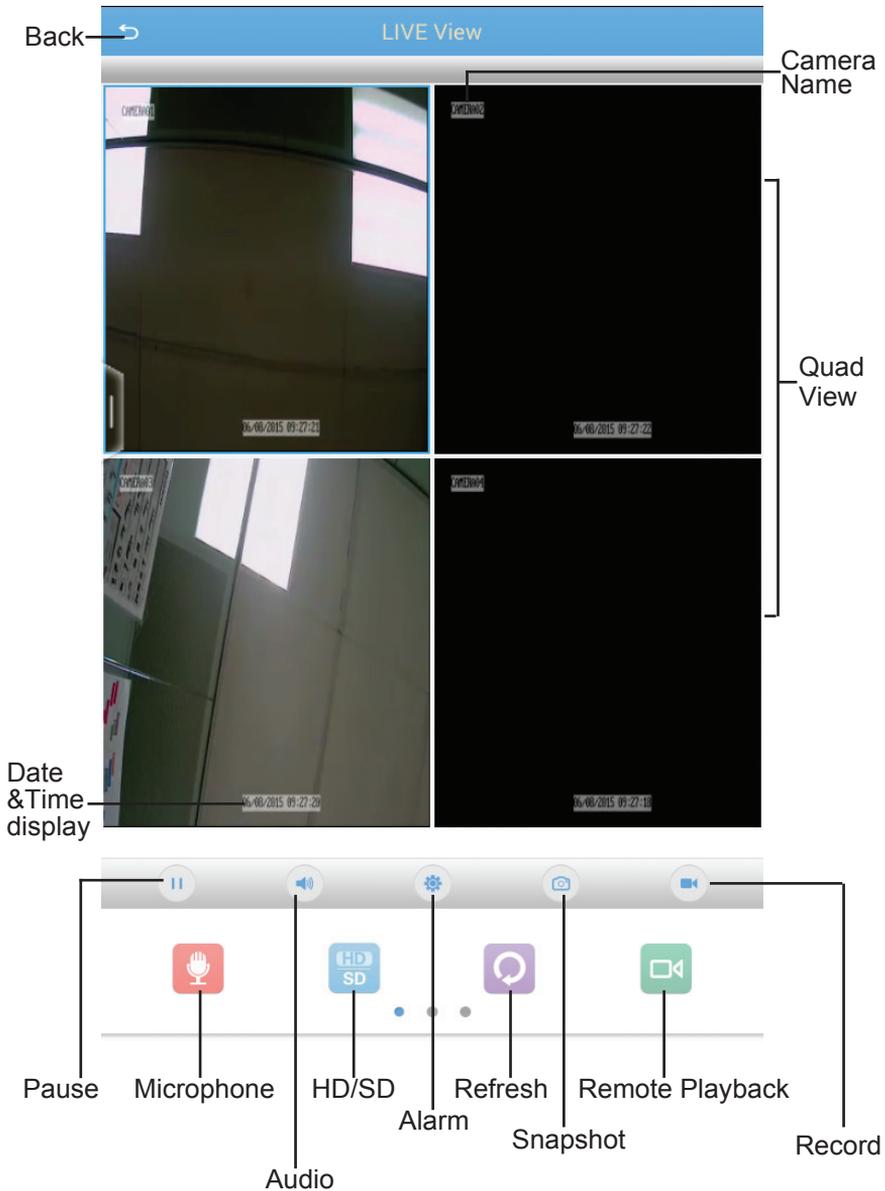
USING THE APP

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

<p>1. From the Apple App Store or Google Play, download the Uniden GuardianLive app.</p>	
<p>2. Open the app. Tap <i>Create Account</i>. The <i>Create Account</i> screen displays.</p>	
<p>3. Complete the fields and then select <i>OK</i>. The login screen appears again. Input your device name and password again and the <i>Device List</i> screen displays.</p>	
<p>4. Select the + icon at the top right corner to add your DVR system to the app. The <i>Add Device</i> screen displays.</p>	
<p>5. Name your GNVR system. Select the QR code icon and scan the QR code label on top of the DVR receiver or the applicable Device ID QR code from <i>Settings /Device /QR Code</i> screen on the monitor. This will add the NVR Device ID code to the app. Select <i>OK</i>.</p>	
<p>6. The <i>Device List</i> displays again, with your system now listed. Select your system and live video displays on your device.</p>	

LIVE SCREEN

Live Screen is the main screen in the GuardianLive app.



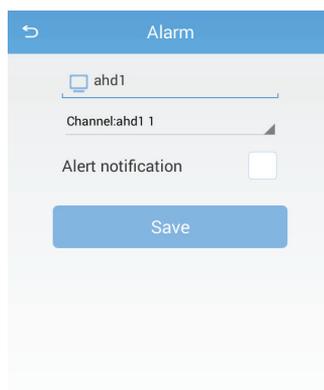
	Pause	Tap on a camera view and tap the Pause icon to stop live view.
	Play	Tap on a camera view and tap the Play icon to start the streaming of live view.
	Audio	Tap to turn on audio (not available on all models).
	Alert	Tap to open the Alarm setting screen and save configuration, so that you can be alerted when motion is detected.
	Snapshot	Tap the camera view that you want take a snapshot of and then tap the snapshot icon.
	Recording	Tap the camera view that you want to record and then tap the Record icon.
	Mic	Tap to record sound.
	HD/SD	Tap to view either in 'High Definition' or 'Standard Definition'.
	Refresh	Tap to refresh live view.
	Playback	Tap to playback recorded video.

ALERT SCREEN

On the app, in the live view, tap the Alert icon to get the *Alarm* screen displayed.

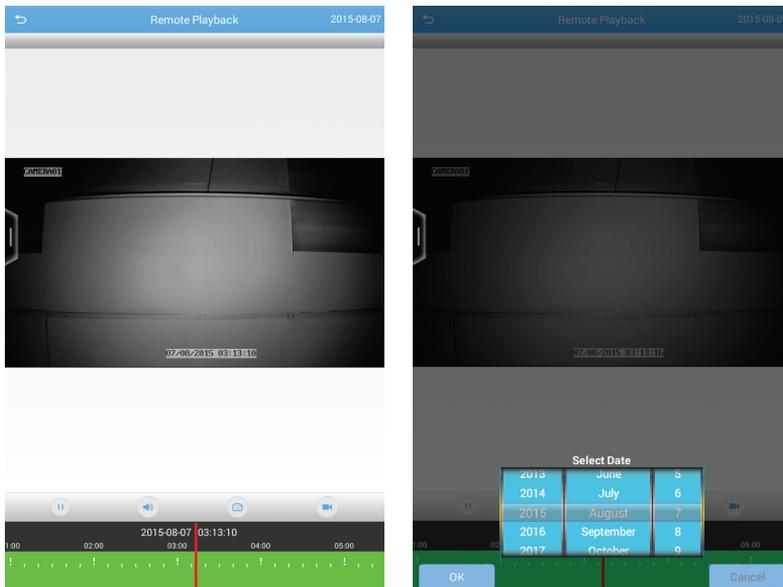
Tap the Alert Notification check box, then tap save, to get an alert on the app when the camera detects motion.

Please ensure that the motion detection is turned on in your system, system, and that you have set up motion area and ticked Upload to Center for linkage, refer page 39.



REMOTE PLAYBACK SCREEN

On the app, in the live view, tap the *Playback* icon to get the *Remote Playback* screen displayed.



Tap the date displayed on the top right corner of the screen to get the *Select Date* pop-up box. Tap to scroll through the dates and select the dates that you want to play the recorded video.

ABOUT SCREEN

On the *Device List* screen, tap on the Menu icon (top left corner) to reveal menu options, About, Recordings, Snapshots and Logout.

Tap the option, *About*. It displays the latest firmware version.

RECORDINGS SCREEN

On the *Device List* screen, tap on the Menu icon (top left corner) to reveal menu options, About, Recordings, Snapshots and Logout.

Tap the option, *Recordings*, to view the recordings that have been initiated on the app. Please note, these recordings are NOT stored on the hard disk.

SNAPSHOT SCREEN

On the *Device List* screen, tap on the Menu icon (top left corner) to reveal menu options, About, Recordings, Snapshots and Logout.

Tap the option, *Snapshots*, to view the images that have been taken using the app. Please note, these images are NOT stored on the hard disk.

LOGOUT

Tap to logout of the app.

ONE-YEAR LIMITED WARRANTY

GNVR 85XX Series

Important:

Satisfactory evidence of the original purchase is required for warranty service. Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor:

The warrantor is Uniden Australia Pty Limited ABN 58 001 865 498 (“Uniden Aust”).

Terms of Warranty: Uniden Aust warrants to the original retail purchaser only that the GNVR 8540 or GNVR 8580 (“the Product”), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty Period: This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire, as indicated below, from the date of original retail sale.

Product	1 Year
Accessories	90 Days

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

- A. Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner’s Manual;
- B. Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust;
- C. Improperly installed contrary to instructions contained in the relevant Owner’s Manual
- D. Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or
- E. Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered: This warranty covers the Product and included accessories.

User-generated Data: This warranty does not cover any claimed loss of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Statement of Remedy: If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for Obtaining Warranty Service: Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden. Please refer to the Uniden website for address details. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

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