



# EL-NVR-8CH

## Quick Start Guide

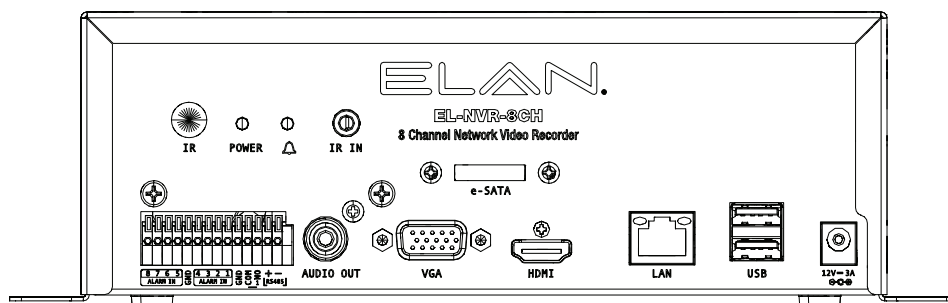
## ABOUT THIS DOCUMENT

This document includes instructions for basic operating the EL-NVR-8CH 8 Channel Network Video Recorder.

## ELECTROMAGNETIC COMPATIBILITY (EMC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 harmful interference to radio or television 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
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment



## FEATURES

- Standalone NVR
- Supports 5-megapixel, 4K, and 1080p 60 FPS H.264 IP cameras
- Up to 48 Mbps incoming network throughput
- Full UHD, 4K, HDMI, and VGA output
- Compatible with iOS and Android devices via the ELAN mobile app

## Caution

- Do not drop or strike the equipment
- Do not install the equipment near open flames or heat sources
- Do not expose this unit to rain, moisture, smoke or dusty environments
- Do not cover the opening of the unit with cloth or plastic or install this unit in a poorly ventilated place.  
Allow 10 cm between this unit and its surroundings
- Do not continue to operate the unit under abnormal conditions such as detection of smoke, strange smell, or malfunctioning screen while power is turned On
- Do not touch the power connection with wet hands
- Do not damage the power cord or leave it under pressure
- To avoid unnecessary magnetic interference, do not operate this unit near magnets, speaker systems, etc.
- All connection cables must be grounded properly

### CAUTION

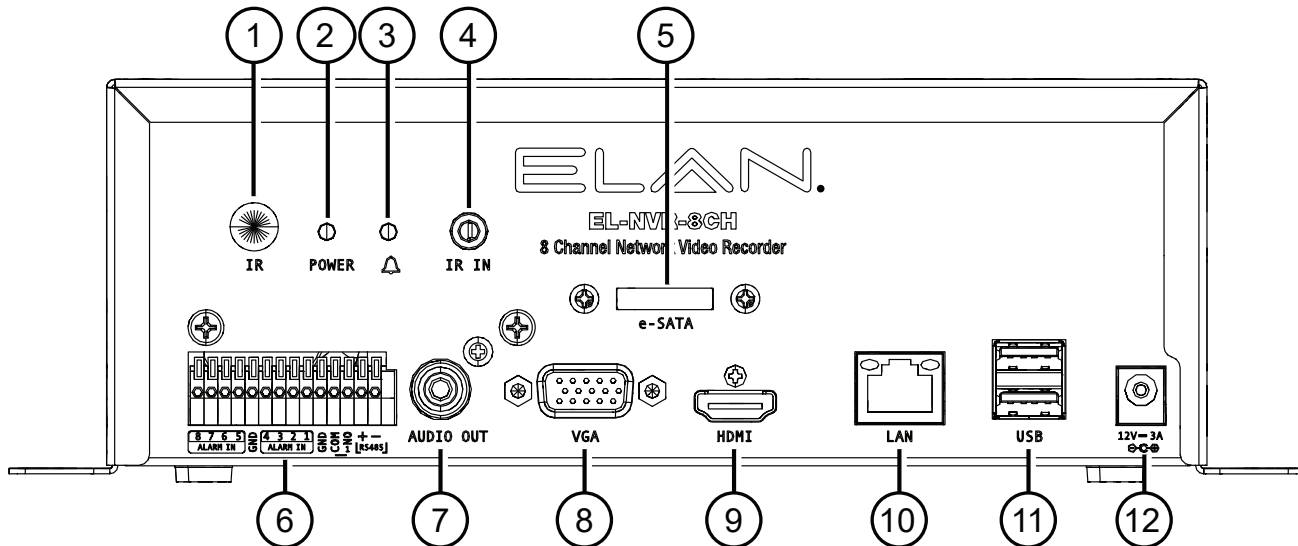
RISK OF EXPLOSION IF BATTERY IS REPLACED WITH AN INCORRECT TYPE.  
DISPOSE OF BATTERIES ACCORDING TO THE INSTRUCTIONS.



## PRODUCT OVERVIEW

### Professional 1U 19" 4Bay Non-RAID NVR

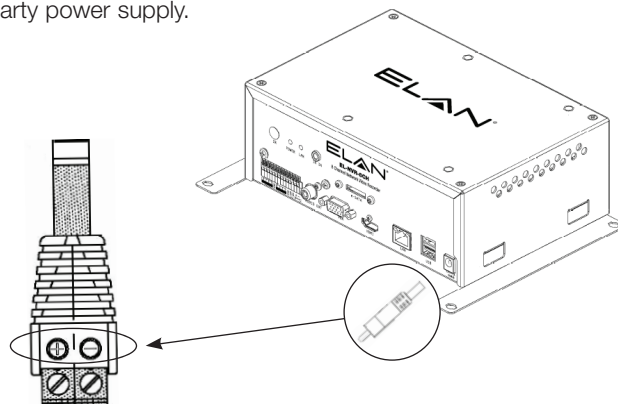
#### FRONT VIEW



- |              |                 |                             |
|--------------|-----------------|-----------------------------|
| 1. IR sensor | 5. e-SATA Port  | 9. HDMI output              |
| 2. Power LED | 6. I/O port     | 10. RJ-45 Gigabit connector |
| 3. Alarm LED | 7. Audio output | 11. USB port                |
| 4. IR input  | 8. VGA output   | 12. Power socket            |

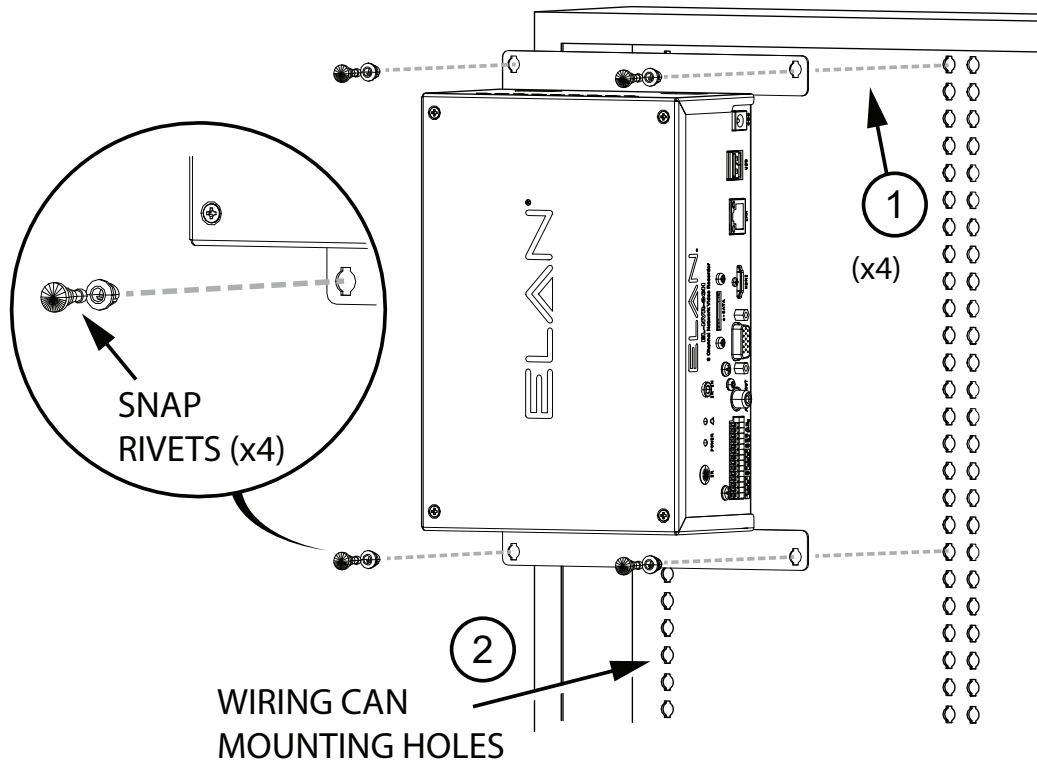
#### Note:

- Included is a power connector for use with a 3rd party power supply.  
**The EL-NVR-8CH requires 12v, 3A to operate.**
- Please pay attention to the positive and negative poles of the power connector:



## INSTALLING THE NVR IN THE STRUCTURED WIRING CAN

1. Align the bracket holes (x4) with the holes in the wiring can.
2. Insert the snap rivets (x4) through each bracket hole (x4) and then into the wiring can holes.
3. Push on the head of each snap rivet to secure it in the wiring can hole.

**Note:**

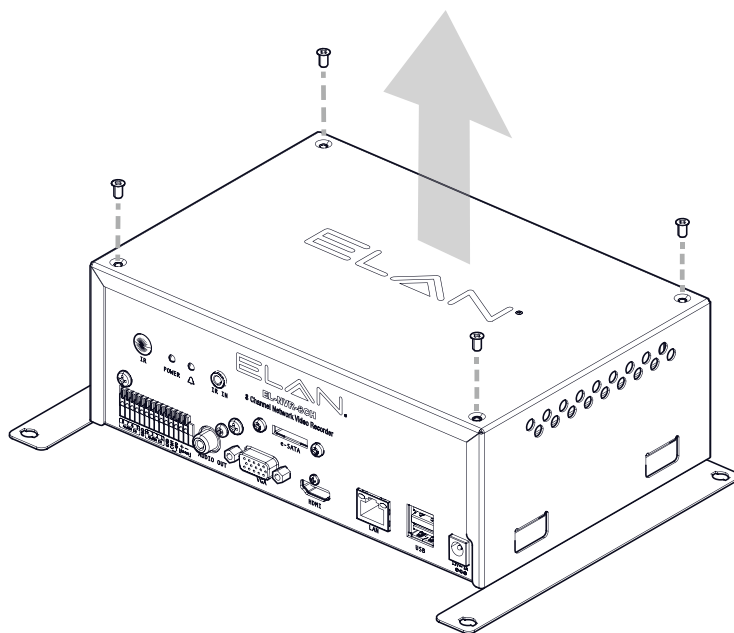
- NVR may also be installed on a rack shelf. Rubber Feet are provided. Stick them to the bottom of the chassis.
- The included snap rivets are designed to be used with a standard structured wiring can, such as those from OpenHouse. Longer snap rivets (not included) may be needed when using with a different structured wiring can, such as a plastic version.

## HARD DRIVE – REMOVAL AND INSTALLATION INSTRUCTIONS

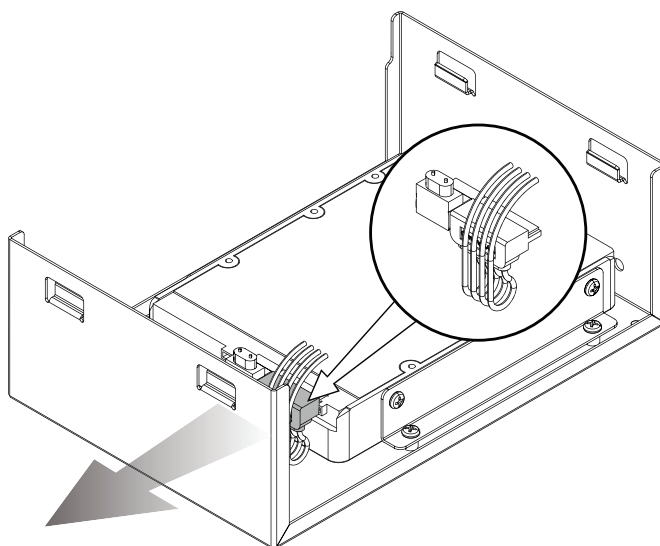
### Removing the Hard Drive

1. Remove screws (x4) located in top corners of upper casing, carefully lifting it upwards.

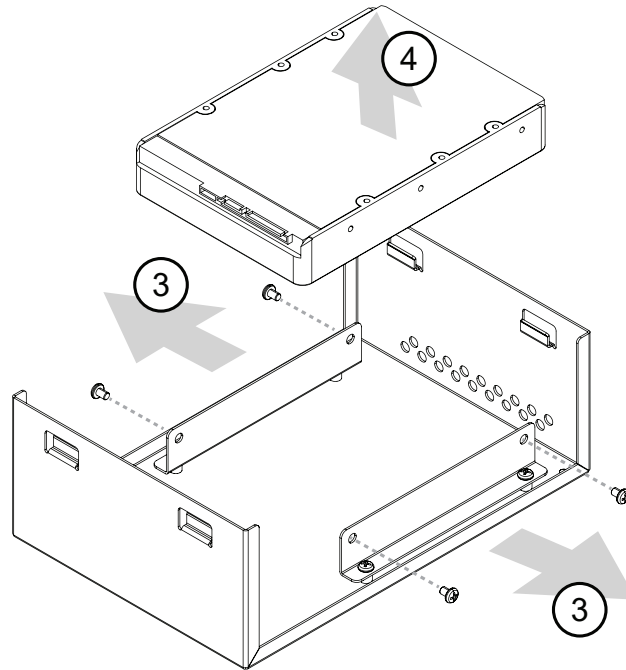
**Note:** The connector cable is attached to the hard drive located in the upper casing.



2. Disconnect the cable connector from the hard drive.



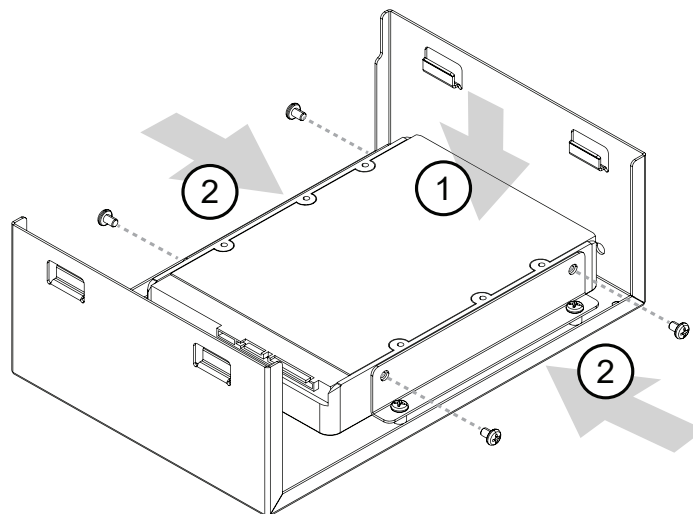
3. Remove the screws (x4) from the brackets located on both sides of the hard drive.
4. Remove hard drive.



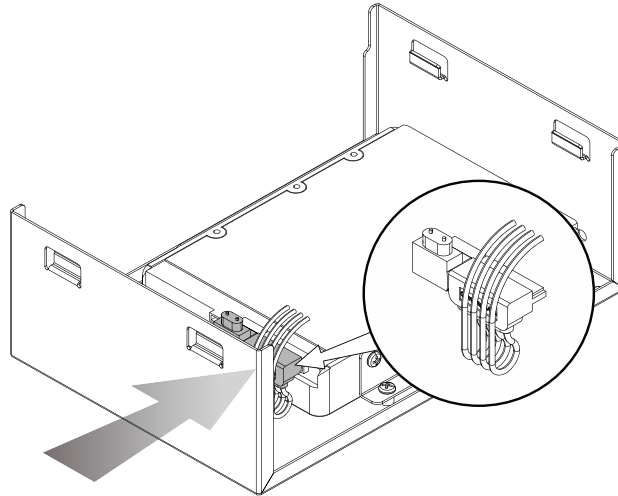
## Installing the Hard Drive

**Note:** Only Western Digital Purple Surveillance Drives are supported, up to 8TB.

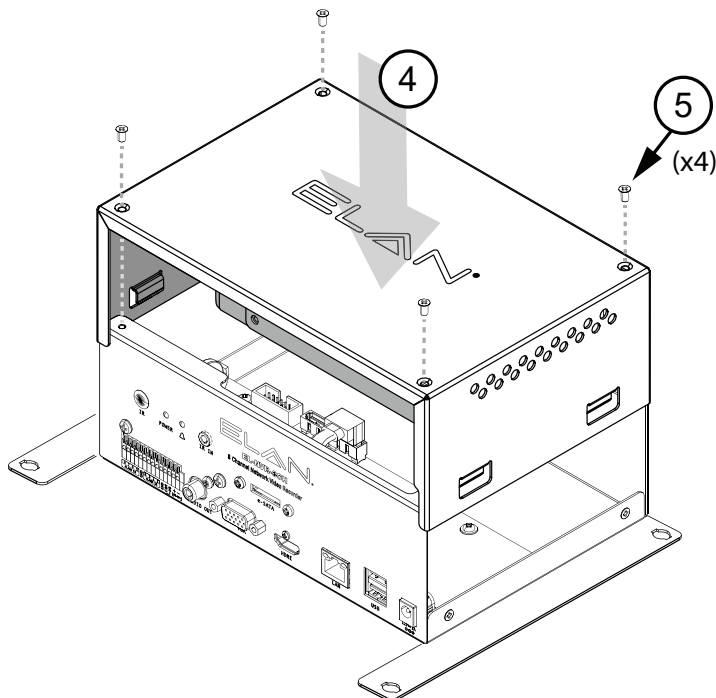
1. Insert the hard drive between the brackets, aligning the hard drive screw holes (x4) with the holes in the brackets.
2. Insert and tighten screws (x4).



3. Reinsert SATA and power cable into hard drive.



4. Slide cover over NVR.
5. Insert and tighten the screws (x4).



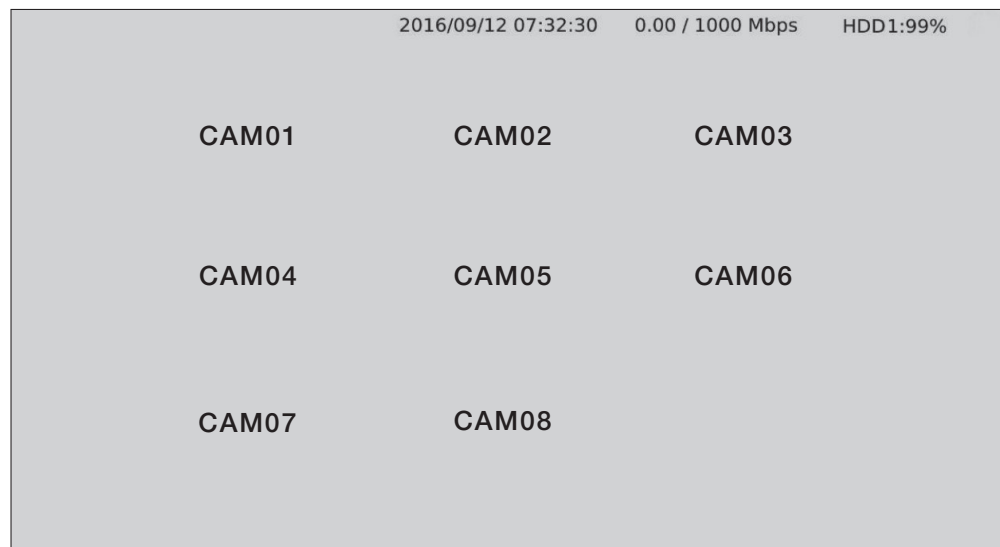
**Note:** The new hard drive must be formatted using the NVR before it can be recorded to.

## BEFORE USING THE NVR

### IMPORTANT!!

If you are installing an ELAN Cameras and/or ELAN NVR with an ELAN Controller, please refer to the “ELAN Surveillance” Integration Note for setup and software configuration. ELAN Integration Notes are served through the ELAN tools and on [elanhomesystems.com/dealer-resources](http://elanhomesystems.com/dealer-resources).

**You will see the following screen through the HDMI or VGA connection once you power on the NVR:**



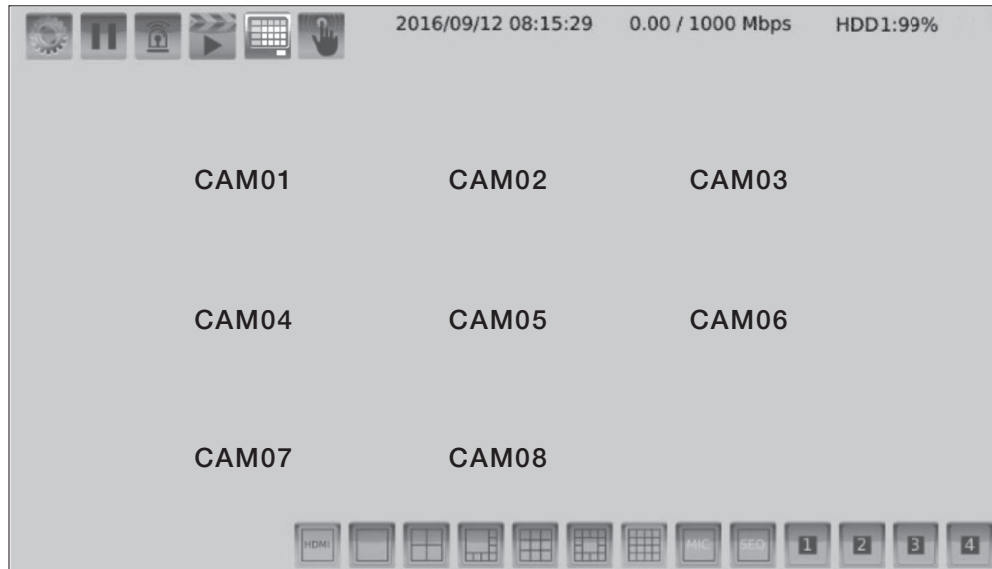
The information shown on the top of the screen is described as follows:

**0.00/1000 (100) Mbps:** *The left side of the slash is the combined transmission rate of all channels, and the right side your network speed.*

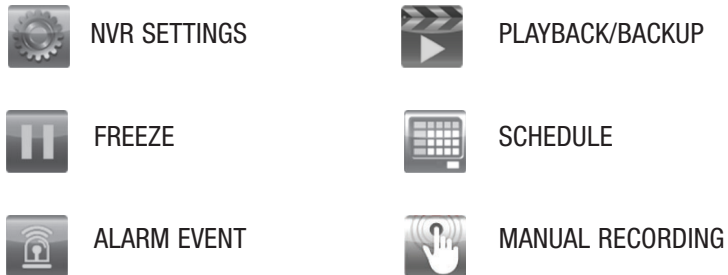
**HDD 1 (2):** *Shows the current number of the hard drive being used for recording, and the storage capacity used.*

## BEFORE USING THE NVR (CONTINUED)

Move your cursor slightly to display the NVR controls (as shown in the image below):



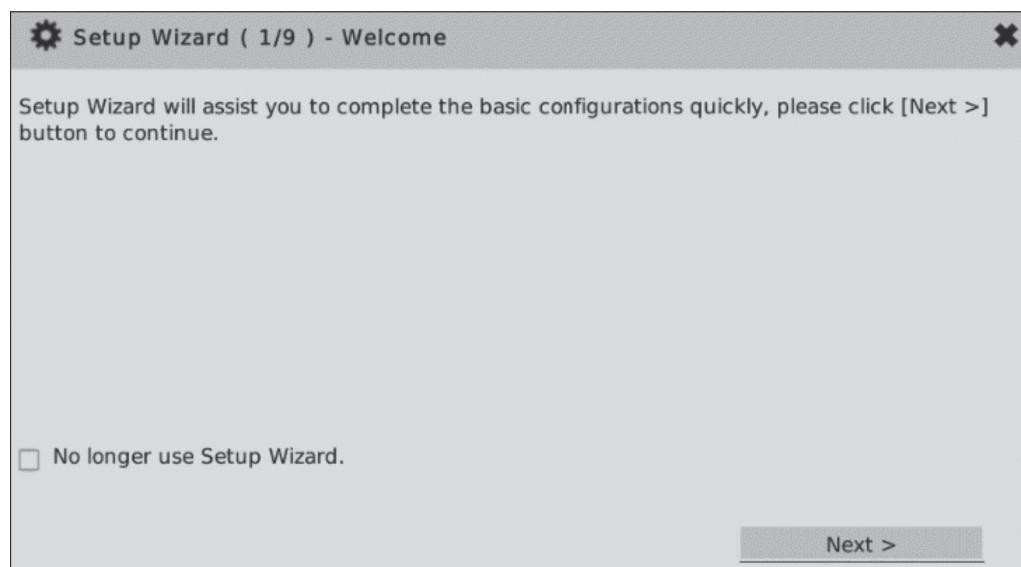
At the upper-left corner of the screen are the NVR controls:



### NVR SETTINGS

If you access the **NVR SETTINGS** for the first time, you will see Setup Wizard on the screen, as shown in illustration, which provides you with quick configurations for the NVR, including language, password, date, time, storage, network, and camera. Please follow the instructions to finish the necessary setup and start recording. To prevent the wizard from appearing again, be sure to check **No longer use Setup Wizard**.

To run the **Setup Wizard** manually, go to **NVR SETTINGS> SYSTEM > MAINTENANCE**, and click **Run** to start **Setup Wizard**.



## FREEZE

Click to freeze the real-time video, and the icon will be highlighted in blue when the video is frozen.



## ALARM EVENT

Click to enter the **ALARM EVENT** screen, where the options include **MOTION/SENSOR/MANUAL EVENT**.

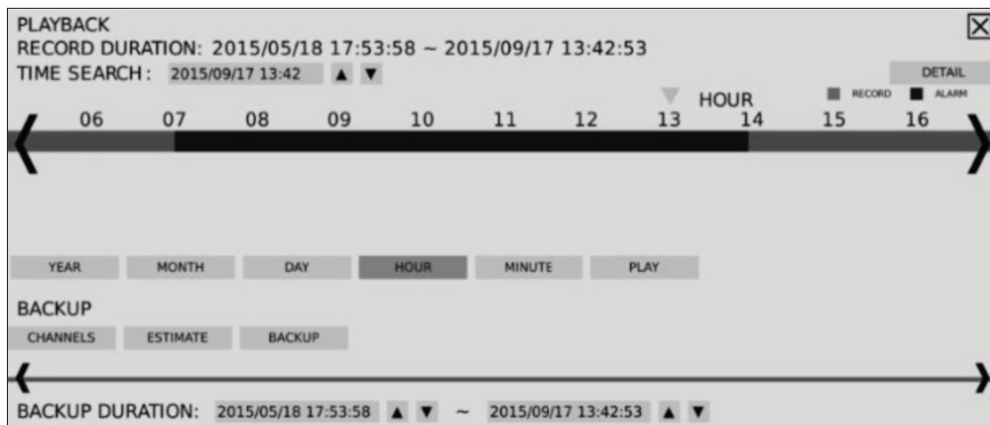
Then, click the drop-down menu at the top to sort the events by date or channel. Double-click an event log of your choosing, or choose an event before clicking **Playback** at the upper-right corner of the screen to view or back up the selected video clip. Click any event before choosing USB or E-mail to export the video to a storage device or send notification email to a pre-determined email address.



## PLAYBACK/BACKUP

Click to enter the following screen for playback and backup. You can expand and collapse the upper timeline by **YEAR**, **MONTH**, **DAY**, **HOUR**, and **MINUTE**. On the upper timeline, drag and select the time you want to start playing recorded video; drag from the timeline at the bottom of the screen to select the backup range.

For more details, please refer to the NVR User Manual on [www.elanhomesystems.com/dealer-resources](http://www.elanhomesystems.com/dealer-resources).



## SCHEDULE/MANUAL RECORDING

Indicates whether the current recording setting is scheduled recording or manual recording. Click the icon to switch.

Below shows the controls at the bottom of the screen:



Indicates whether the current split-screen controls are for HDMI or VGA.



Controls for the number of split-screens.



Click to broadcast your message through a microphone.



Click to activate the sequential mode, which will show videos channels in the order you specify.



Click to activate a specific DO output.

**Note:** This function is available depending on models.

## BASIC NVR SETTINGS

If you skipped **Setup Wizard**, which is not required if integrating with an ELAN controller, you may need to change some basic settings before starting to record.

**Note:** If integrating with an ELAN controller, follow the “ELAN Surveillance” Integration Note. These settings are for reference only.

### Set up Display Language

In **NVR SETTINGS**, click the gear icon at the upper-right corner to switch system display language.

### Format Hard Drives

In **NVR SETTINGS > SYSTEM > STORAGE > HDD MGT.**, select the device to format and click **Format**.

### Adjust Date and Time

In **NVR SETTINGS > SYSTEM > TIME**, make sure system time is correctly set.

**Note:** Do not modify if integrating with ELAN controller. The ELAN controller synchronizes time with the NVR.

### Configure Network Environment

In **NVR SETTINGS > NETWORK > GENERAL**, enter the required information such as IP Mode, IP Address, Subnet Mask, Default Gateway, Primary DDNS, etc. according to your network environment.

**Note:** A static address is highly recommended. The ELAN controller will assign a static IP upon installation in the ELAN Configurator.

### Connect to Cameras

In **NVR SETTINGS > CAMERA > GENERAL**, click WS-Discovery to start searching for cameras in the local network. Select a camera from list, and click **Select** to show the camera feed on the corresponding channel. Click **Apply** for the changes to take effect.

**Note:** The ELAN Configurator will configure the NVR's camera assignments. Do not use this setting if integrating with an ELAN controller.

## Start to Record

To activate continuous recording, make sure the desired channel's Record Mode in **NVR SETTINGS > RECORD > GENERAL** is set to **Schedule; Schedule Table** in **NVR SETTINGS > RECORD > SCHEDULE** is set to **Always; Overwritten** in **NVR SETTINGS > RECORD > ADVANCE** is set to On.

**Note:** Recording Schedules can also be managed using the ELAN Viewer.

**Note:** For more details, please refer to the **NVR Reference Guide**:

[www.elanhomesystems.com/dealer-resources](http://www.elanhomesystems.com/dealer-resources)

## NOTES

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## LIMITED WARRANTY

Nortek Security & Control ( 'NSC' ) warrants the EL-NVR-8CH to be free from defects in materials and workmanship for the period of two years (2 years) from the date of purchase. If within the applicable warranty period above, the purchaser discovers that such item was not as warranted above and promptly notifies 'NSC' in writing, 'NSC' shall repair or replace the item at the company's option. This warranty shall not apply (a) to equipment not manufactured by 'NSC', (b) to equipment which shall have been installed by other than an 'NSC' authorized installer, (c) to installed equipment which is not installed to 'NSC's' specifications, (d) to equipment which shall have been repaired or altered by others than 'NSC', (e) to equipment which shall have been subjected to negligence, accident, or damage by circumstances beyond 'NSC's' control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or other catastrophic events beyond 'NSC's' control, or to improper operation, maintenance or storage, or to other than normal use of service. With respect to equipment sold by, but not manufactured by 'NSC', the warranty obligations of 'NSC' shall in all respects conform to the warranty actually extended to 'NSC' by its supplier. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation or other expenses which may be incurred in connection with repair or replacement. Except as may be expressly provided and authorized in writing by 'NSC', 'NSC' shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by 'NSC' or services rendered by 'NSC'.

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The warranties on Nortek Security & Control products are NOT VALID if the products have been purchased from an unauthorized dealer or an online E-tailer. To determine if your Nortek Security & Control reseller is authorized, please call Nortek Security & Control at 800-622-3526.



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