

ELAN[®]



EL-NVR

Quick Start Guide

ABOUT THIS DOCUMENT

This document includes instructions for basic operating the EL-NVR 5-Megapixel Series Network Video Recorder.

ELECTROMAGNETIC COMPATIBILITY (EMC)

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: Re-orient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment to an outlet on a different circuit to the receiver. Consult your dealer or an experienced radio/TV technician for assistance. Shielded (STP) network cables must be used with this unit to ensure compliance with EMC standards.

NOTE:

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 and 1080p 60 FPS H.264 IP cameras
- Up to 6 Mbps incoming network throughput
- Full HD 1080p 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

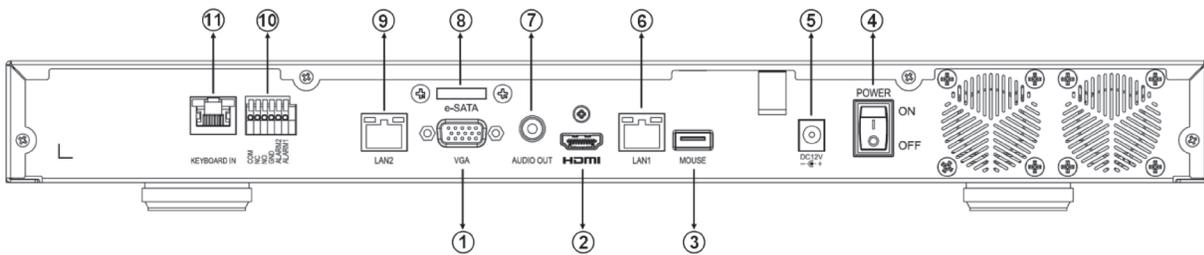
Professional 1U 19" 4Bay Non-RAID NVR

FRONT VIEW



1. POWER LED, blue, power on/off indicator
 LAN LED, green, LAN activity indicator
 HDD LED, green, blinking, HDD activity indicator
 ALARM LED, red, blinking, indicator of triggered alarms
2. USB port

REAR VIEW



1. VGA output connector
2. HDMI output connector
3. USB port
4. Power switch
5. Power socket
6. RJ-45 Gigabit connector
7. AUDIO OUT
8. eSATA connector
9. RJ-45 Gigabit connector
10. Digital I/O
11. Keyboard-in connector

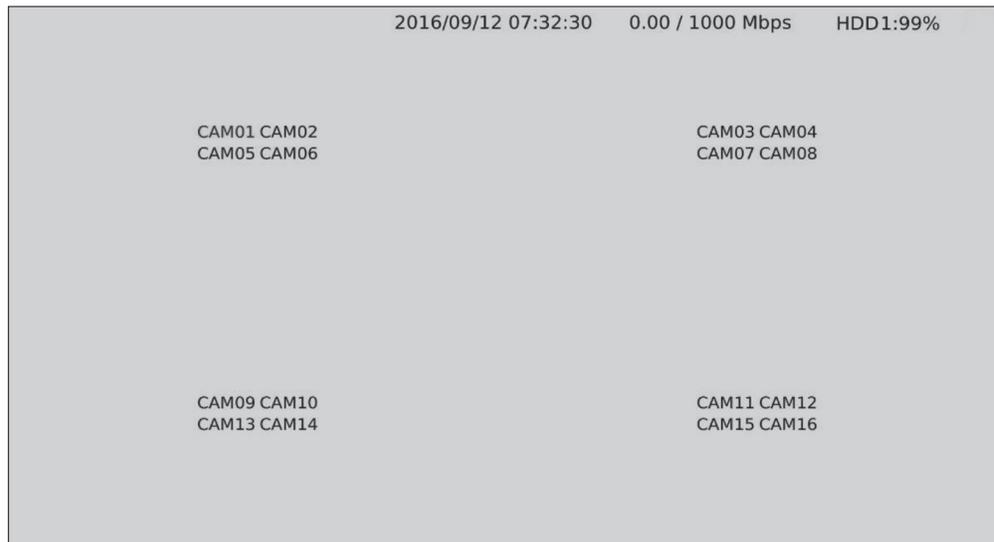
BEGINNING USING THE NVR

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.

The software configuration information in this document can be used to extend device control parameters for use within an ELAN controller environment, or be used to operate this hardware independent of an ELAN controller.

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



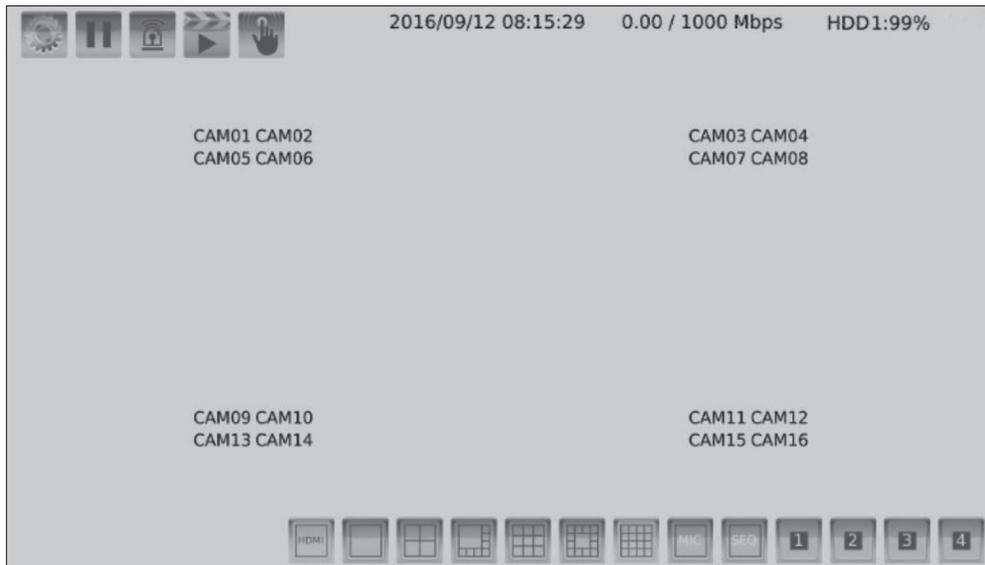
The information shown on the top of the screen is described as follows:

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.*

BEGINNING 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 is the NVR controls, which are:

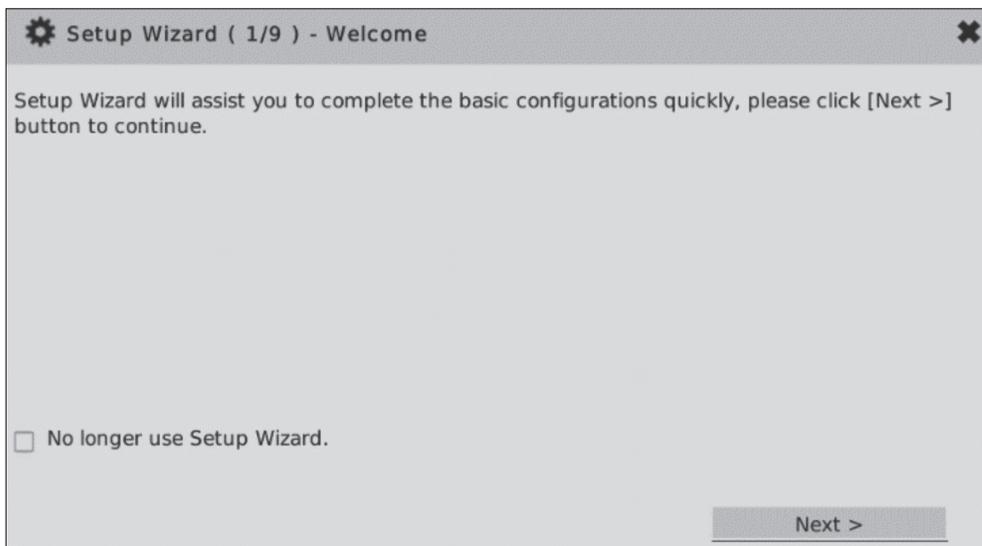
- | | | | |
|---|--------------|---|------------------|
|  | NVR SETTINGS |  | PLAYBACK/BACKUP |
|  | FREEZE |  | SCHEDULE |
|  | ALARM EVENT |  | MANUAL RECORDING |



NVR SETTINGS

If you access the **NVR SETTINGS** for the first time, you will see Setup Wizard on the screen as below, which provides you with quick configurations for the NVR, including language, password, date, time, storage, network, P2P, and camera. Please follow the instructions to finish 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**.

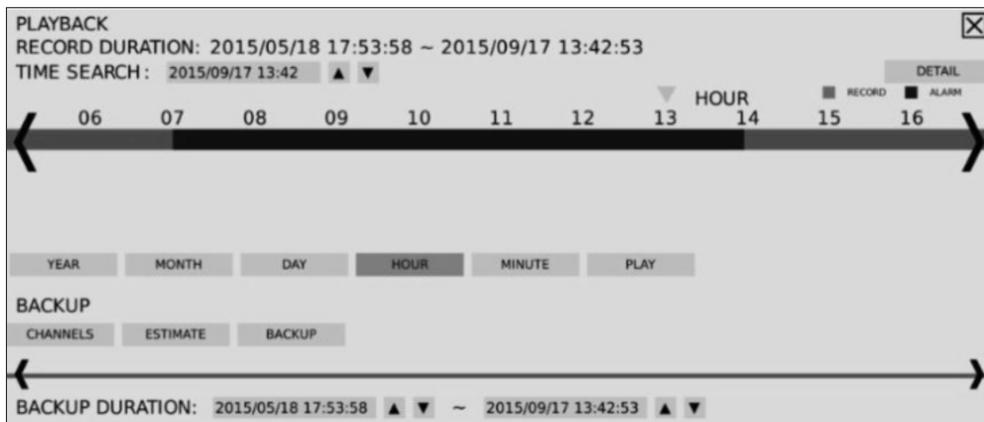
Then, click the drop-down menu at the top to sort the events by date or channel. Double-click an event log of your choosing, or choose an event before clicking **Playback** at the upper-right corner of the screen to view or back up the selected video clip. Click any event before choosing USB or E-mail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





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.

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.

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.

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.

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



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